

PROJECT MANUAL

CITY OF TOPEKA

UBAS 2026

STREET IMPROVEMENT PROJECT 841106.02 & 841104.02

FEBRUARY 2026

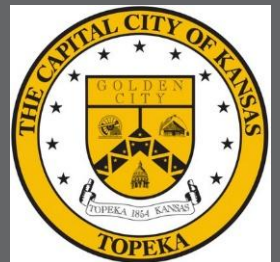


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DOCUMENT 020
INVITATION TO BID

1. **CITY OF TOPEKA PROJECT:** City of Topeka UBAS 2026 Project 841106.02.
2. **BIDS RECEIVED UNTIL:** 2:00 P.M., Local Time, 5/12/2026,
electronically using the Topeka Vendor Access website:
<https://cityoftopakaks.tylerportico.com/va/vendor-access/bids> or by delivering physical hard
copies prior to Closing at the office of the Contracts & Procurement Division, City Hall, 215 SE
7th Street, Room B60, Topeka, Kansas 66603.
3. **BID CLOSING:** Will be public following the receipt of bids at the office of the Contracts &
Procurement Division, City Hall, 215 SE 7th Street, Room B60, Topeka, Kansas 66603.
4. **DESCRIPTION OF MAJOR UNITS OF WORK:**

UBAS (PG 70-28)	55,303	SY
Full Depth Pavement Patch	88	SY
Mill Patching	232	SY
Concrete Curb and Gutter (R&R)	165	LF
Pavement Marking (Thermoplastic)(White)(4 inch)	3,732	LF
Pavement Marking (Thermoplastic)(White)(6 inch)	2,243	LF
Pavement Marking (Thermoplastic)(White)(24 inch)	750	LF
Pavement Marking (Thermoplastic)(Yellow)(4 inch)	16,608	LF
5. **DESIGN ENGINEER:** Michael Stewart, Benesch, 123 SE 6th Avenue, Suite 200, Topeka, Kansas
66603.
6. **BID DOCUMENTS:** Electronic copies (PDF's) of the bid documents (plans and specifications) and
any addenda are available using the Topeka Vendor Access website. Register online at
<https://cityoftopakaks.tylerportico.com/va/vendor-access/registration> .
7. **BID SECURITY REQUIREMENTS:** All bids must be accompanied by a cashier's check or a bid
bond for not less than five percent (5%) of the amount bid (including alternates), made payable to the
City of Topeka, Kansas. The original bid security shall be provided to the office of Contracts and
Procurement before the 2:00 closing date.
8. **PRE-BID CONFERENCE:** A pre-bid conference will be held at N/A. Representatives of the
Design Engineer and Owner will be present to answer questions. Attendance is N/A (mandatory
or optional). If indicated as optional, attendance is highly encouraged for bidders to attend in order
to understand the expectations and details involved in the project and contract.
9. **SUBMITTALS:** Bid submittal requirements are explained in Document 100: Instructions to
Bidders.
10. **BID QUESTIONS:** All questions **must** be submitted using the **Bid Question Submittal Form
(Excel)** included in the Bid Attachments. Bidders shall **download the form**, enter their questions
directly into the **Q# fields** (handwritten submissions will not be accepted), and **email the completed
Excel file** to procurement@topeka.org no later than **ten (10) days prior** to the bid closing date and
time, unless otherwise stated in the bid documents.

The email subject line shall read: **Bid Number ##### – Questions.**

If more than forty (40) questions are required, bidders may insert additional rows as needed. The form must be submitted as an **MS Excel (.xls or .xlsx)** file.

Responses to questions will be issued by addendum and posted in the Bid Attachments as a **PDF** titled:

Bid Number ##### – Answers to Bid Question Submittal Form.

11. **Plan Holder List:** Contractors seeking to be included on the Plan Holders List **must** complete the **Plan Holders Information Form (Excel Worksheet)** included in the Bid Attachments. Contractors **shall download the form**, enter their **business name, contact name, phone number, and email address**, and **email the completed Excel file** to procurement@topeka.org no later than **ten (10) days** prior to the bid closing date, unless otherwise stated in the bid documents.

The email subject line shall read: **Bid Number ##### – Plan Holders Request.**

A **complete Plan Holders List** will be published in the Bid Attachments as a PDF titled:

Bid Number ##### – Plan Holders List.

DOCUMENT 100
INSTRUCTIONS TO BIDDERS

1. Defined Terms.

Terms used in these Instructions to Bidders shall have the meanings assigned to them in the General Conditions. The term "Successful Bidder" means the lowest, qualified, responsible Bidder to whom Owner (on the basis of Owner's evaluation as hereinafter provided) makes an award.

2. Copies of Bidding Documents.

2.1. Complete sets of the Bidding Documents in the number and for the purchase sum, if any, stated in the Invitation may be obtained from the office designated in the Invitation to Bid.

2.2. Complete sets of Bidding Documents shall be used in preparing Bids; neither Owner nor Design Engineer assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

2.3. Owner and Design Engineer in making copies of Bidding Documents available on the above terms do so only for the purpose of obtaining Bids on the Work and do not confer a license or grant for any other use.

3. Qualifications of Bidders.

To demonstrate qualifications to perform the Work, the apparent low Bidder must be prepared to submit within five days of Owner's request written evidence of the types set forth in the General or Supplementary Conditions, such as financial data, previous experience and evidence of authority to conduct business in the jurisdiction where the Project is located. Any information furnished pursuant to this section shall be deemed confidential and will not be disclosed by the Owner. Each Bid must contain evidence of Bidder's qualification to do business in the State of Kansas or covenant to obtain such qualification prior to award of the contract.

4. Examination of Contract Documents and Site.

4.1. Before submitting a Bid, each Bidder must (a) examine the Contract Documents thoroughly, (b) visit the site to familiarize himself with local conditions that may in any manner affect cost, progress or performance of the Work, (c) familiarize himself with federal, state and local laws, ordinances, rules and regulations that may in any manner affect cost, progress or performance of the Work; and (d) study and carefully correlate Bidder's observations with the Contract Documents.

4.2. Reference is made to the Supplementary Conditions for the identification of those reports of investigations and tests of subsurface and latent physical conditions at the site or otherwise affecting cost, progress or performance of the Work which have been relied upon by Engineer in preparing the Drawings and Specifications. Owner will make copies of such reports available to any Bidder requesting them. These reports are not guaranteed as to accuracy or completeness, nor are they part of the Contract Documents. Before submitting his Bid each Bidder will, at his own expense, make such additional investigations and tests as the Bidder may deem necessary to determine his Bid for performance of the Work in accordance with the time, price and other terms and conditions of the Contract Documents.

43. On request Owner will provide each Bidder access to the site to conduct such investigations and tests as each Bidder deems necessary for submission of his Bid.

44. The lands upon which the Work is to be performed, rights-of-way for access thereto and other lands designated for use by Contractor in performing the Work are identified in the Supplementary Conditions, Specifications or Drawings.

45. The submission of a Bid will constitute an incontrovertible representation by the Bidder that he has complied with every requirement of this Article 4 and that the Contract Documents are sufficient in scope and detail to indicate and convey understanding of all terms, and conditions for performance of the Work.

5. Interpretations.

All questions about the meaning or intent of the Contract Documents shall be submitted only through the City of Topeka's e-Procurement System at least 10 calendar days prior to the opening of Bids. All questions and answers will be posted to the Bid Event. Questions and answers that result in a material change to the scope of work or quantities will require issuance of an addendum. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

6. Bid Security.

6.1. Bid Security shall be made payable to Owner, in an amount of five percent of the Bidder's maximum Bid price (including alternates) and in the form of a certified or cashier's check or a Bid Bond issued by a Surety meeting the requirement of paragraph 5.1 of the General Conditions. All forms of Bid Security must be delivered in original form. Facsimile transmission of Bid Security documents will not be accepted.

6.2. The Bid Security of the Successful Bidder will be retained until such Bidder has executed the Agreement and furnished the required Contract Security, whereupon it will be returned; if the successful Bidder fails to execute and deliver the Agreement and furnish the required Contract Security within 10 days of the award of contract, Owner may annul the award and the Bid Security of that bidder will be forfeited to the Owner.

The Bid Security of any Bidder whom Owner believes to have a reasonable chance of receiving the award may be retained by Owner until the seventh day after the "Effective date of the Agreement" (which term is defined in the General Conditions) or the forty-sixth day after the Bid opening, whichever is earliest. Bid Security of other Bidders will be returned within seven days of the Bid opening.

7. Contract Time.

The number of days within which or the date by which the Work is to be completed (the Contract Time) is set forth in the Agreement.

8. Liquidated Damages.

Provisions for liquidated damages are set forth in the Agreement.

9. Substitute Material and Equipment.

The Contract, if awarded, will be on the basis of material and equipment described in the Drawings or specified in the Specifications without consideration of possible substitute or "or equal" items.

Whenever it is indicated in the Drawings or specified in the Specifications that a substitute or "or-equal" item of material or equipment may be furnished or used by Contractor if acceptable to Engineer, application for such acceptance will not be considered by Engineer until after the "Effective date of the Agreement". The procedure for submittal of any such application by Contractor and consideration by Engineer is set forth in paragraphs 6.7.1, 6.7.2 and 6.7.3 of the General Conditions which may be supplemented in the Specifications.

10. Subcontractors, etc.

10.1. The total amount of the work performed by all Subcontractors cannot exceed seventy percent (70%) of the Total Bid as reflected in Document 330.

10.2. Bidder must submit to Owner, as part of their Bid Form, a complete list of all Subcontractors and other persons and organizations (including those who will be furnishing the principal items of material and equipment) proposed to be used by the bidder to complete this project. Failure by the Bidder to provide this list with the cost amount for each Subcontractor shall render the bid nonresponsive. If the total amount of the work performed by all Subcontractors exceeds seventy (70%) of the Total Bid, the bid will be rejected. If requested by the Owner, the Successful Bidder shall submit to the owner, in writing, an experience statement with pertinent information as to similar projects and other evidence of qualifications for each such Subcontractor, person and organization listed on the Bid Form. If Owner or Engineer, after due investigation, has reasonable objection to any proposed Subcontractor, other person or organization, either Owner or Engineer may before giving the award of contract, request the apparent Successful Bidder to submit an acceptable substitute without an increase in Bid Price. If the apparent Successful Bidder declines to make any such substitution, the contract shall not be awarded to such Bidder, but his declining to make any such substitution will not constitute grounds for sacrificing his Bid Security. Any Subcontractor, other person or organization so listed and to whom Owner or Engineer does not make written objection prior to the giving the award of contract, will be deemed acceptable to Owner and Engineer. Substitutions to this list of acceptable Subcontractors and other persons and organizations after the apparent Successful Bidder has been awarded a contract by the Owner will not be allowed without the written approval of the Owner or Engineer.

10.3. No Contractor shall be required to employ any Subcontractor, other person or organization against whom he has reasonable objection.

10.4. No Subcontractor who is on the Owner's "List of Suspended Contractors" as of the date of the opening of Bids may be employed by the Contractor on the project. A current list of suspended contractors may be obtained from the Contracts and Procurement Division.

11. Bid Form.

11.1. The Bid Form is included in this Project Manual. The Project Manual will be posted to the electronic Bid Event.

11.2. Bid Forms must be completed in the electronic Bid Event.

11.3. Bids by corporations must be executed in the corporate name by the president or a vice-president (or other corporate officer accompanied by evidence of authority to sign) and the corporate seal must be affixed and attested by the secretary or an assistant secretary. The corporate address shall be shown below the signature. Signature pages shall be submitted electronically as instructed in the Bid Event.

11.4. Bids by partnerships must be executed in the partnership name and signed by a partner whose title must appear under the signature and the official address of the partnership must be shown below the signature. Signature pages shall be submitted electronically as instructed in the Bid Event.

11.5. All names must be typed or printed below the signature, unless instructed in the electronic Bid Event.

11.6. The Bid shall contain an acknowledgment of receipt of all Addenda (the numbers of which shall be filled in on the Bid Form). Signed Addenda forms shall be uploaded to the Bid Event by the bidder.

11.7. The address to which communications regarding the Bid are to be directed must be shown, if different than that required above.

12. Submission of Bids.

12.1. Bids shall be submitted only through the City of Topeka's e-Procurement System.

12.2. Bids shall be submitted at or before the stated time of closing. Bids received after the closing time indicated in the Invitation to Bid will be rejected.

The City attempts to maintain continuous access to the supplier portal. However, from time to time, Bidder understands that access may be interrupted or prevented due to maintenance, site problems, Internet problems, or problems experienced by the user due to Bidder's computer system. Bidder acknowledges that City makes no warranties that the supplier portal will be uninterrupted or error-free. Regardless of the source of any problem, Bidder acknowledges that it is Bidder's sole responsibility to ensure that its bid is timely received. Because of the discrepancies inherent in timing mechanisms (e.g. cell phone, computers, mobile devices), Bidder acknowledges that the bid time will be determined based upon the time indicated on the City server for the Strategic Sourcing application. If Bidder does not submit its bid at or before the time indicated on the City server for the strategic source application, the bid will be electronically rejected by the Strategic Sourcing application as untimely.

Bidder acknowledges that the City shall not be liable for any direct, indirect, incidental, special, consequential or exemplary damages, including but not limited to, damages for loss of profits, goodwill, use, data or other intangible losses resulting from: (i) the use or the inability to use the supplier portal; (ii) unauthorized access to or alteration of the user's transmissions or data; or (iii) any other matter relating to the supplier portal.

12.3. Bids will not be accepted from any Contractor who is on the Owner's "List of Suspended Contractors" as of the date of the Opening of Bids. Bids received from suspended Contractors will automatically be rejected and returned unopened.

12.4. Bids that do not conform to the Affirmative Action and Notification of MBE and WBE requirements shall be deemed non-responsive and will not be accepted in accordance with paragraphs 23 and 24 of this Instructions To Bidders.

13. Modification and Withdrawal of Bids.

13.1. Bids may be modified or withdrawn by an appropriate document duly executed (in the manner that a Bid must be executed) and delivered to the place where Bids are to be submitted at any time prior to the opening of Bids.

13.2. If, within twenty-four hours after Bids are opened, any Bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of his Bid, Owner may, at its sole discretion, allow that bidder to withdraw his Bid and the Bid Security will be returned.

14. Opening of Bids.

Bids will be opened publicly and read aloud.

15. Bids to Remain Open.

All Bids shall remain open for sixty (60) days after the day of the bid opening, but Owner may, in his sole discretion, release any Bid and return the Bid Security prior to that date.

16. Award of Contract.

16.1. Owner reserves the right to reject any and all Bids, to waive any and all informalities and to negotiate contract terms with the Successful Bidder within the limitations of the Code of the City of Topeka. Owner reserves the right to reject all nonconforming, nonresponsive or conditional Bids. Discrepancies in the indicated multiplication of unit prices and quantities shall be resolved in favor of the correct multiplication based on the unit prices indicated. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

16.2. In evaluating Bids, Owner shall consider the qualifications of the Bidders, whether or not the Bids comply with the prescribed requirements and alternates and unit prices if requested in the Bid forms. It is Owner's intent to accept alternates (if any are accepted) in the order in which they are listed in the Bid form but Owner may accept them in any order or combination.

16.3. Owner may consider the qualifications, experience and financial ability of Subcontractors and other persons and organizations (including those who are to furnish the principal items of material or equipment) proposed for those portions of the Work as to which the identity of Subcontractors and other persons and organizations must be submitted as provided in the General Conditions. Operating costs, maintenance considerations, performance data and guarantees of materials and equipment may also be considered by Owner.

16.4. Owner reserves the right to reject the Bid of any Bidder who does not pass any such evaluation to Owner's satisfaction.

16.5. If the contract is to be awarded it will be awarded to the lowest Bidder whose evaluation by Owner indicates to Owner that the award will be in the best interests of the Owner.

16.6. If the contract is to be awarded, Owner will notify the Successful Bidder within thirty days after the day of the Bid opening.

17. Performance and Other Bonds.

Paragraph 5.1 of the General Conditions sets forth Owner's requirements as to performance and other Bonds. When the Successful Bidder delivers the executed Agreement to Owner, it shall be accompanied by the required Contract Security.

18. Signing of Agreement.

When Owner notifies the Successful Bidder of the award of contract, it will be accompanied by at least three unsigned counterparts of the Agreement and all other Contract Documents. Within ten days thereafter Contractor shall sign and deliver all counterparts of the Agreement to Owner with all other Contract Documents attached. The Contractor shall also submit certificates of insurance in accordance with paragraph 2.1 of the General Conditions and an estimated construction schedule in accordance with paragraph 2.6 of the General Conditions with the executed Agreement. Within ten days thereafter Owner will deliver all fully signed counterparts to Contractor.

19. Sales Taxes.

19.1. For all projects, payment of Kansas State Sales Tax or Compensating (Use) tax is not necessary and should not be included in unit prices bid for materials to be incorporated in the work. The City of Topeka will furnish an exemption certificate (including exemption certificate number) obtained from the Sales and Compensating Tax Division of the Department of Revenue of the State of Kansas to the Contractor, Subcontractor or repairmen making purchases of any tangible personal property to be incorporated in this project. The Contractor, Subcontractor or repairmen must furnish all suppliers with a copy of the properly executed exemption certificate secured for this project. He may reproduce as many copies of the certificate as he may need.

20. State Registration of Out-of-State Contractors.

Bidders are advised that K.S.A. 79-1008, 79-1009 requires the registration of out-of-state contractors with the Director of Revenue for collection of tax.

21. Non-Resident Bidders.

Attention is directed to Section 16-113 and 16-114 of the Kansas Statutes Annotated which requires that any Non-Resident Contractor who undertakes the construction of any public improvement to be paid for out of public funds, must appoint in writing and file with the Kansas Secretary of State, some person (resident in Shawnee County, Kansas) on whom service may be had in any civil action which may arise out of such contractual relation.

22. Equal Employment Opportunity.

It is the policy of the City of Topeka, Kansas to require that all contracts of the City and its agencies include specific provisions to ensure equal employment opportunity ~~and that all Contractors provide evidence of the adoption of an affirmative action program.~~ To comply with these requirements, all persons wishing to enter into a contract with the City shall abide by the following conditions:

22.1. Comply with K.S. A. 44-1030 requiring that:

- a. The Contractor shall observe the provisions of the Kansas act against discrimination and shall not discriminate against any person in the performance of work under the present contract because of race, religion, color, sex, physical handicap unrelated to such person's ability to engage in the particular work, national origin or ancestry;
- b. In all solicitations or advertisements for employees, the Contractor shall include the phrase, "equal opportunity employer," or a similar phrase to be approved by the commission;

- c. If the Contractor fails to comply with the manner in which the Contractor reports to the commission in accordance with the provisions of K.S.A. 44-1031, the Contractor shall be deemed to have breached the present contract and it may be cancelled, terminated or suspended, in whole or in part, by the Owner;
- d. If the Contractor is found guilty of a violation of the Kansas act against discrimination under a decision or order of the commission which has become final, the Contractor shall be deemed to have breached the present contract and it may be cancelled, terminated or suspended, in whole or in part, by the Owner; and
- e. The Contractor shall include the provisions of paragraphs (a) through (d) inclusively of this subsection 22.1. in every sub-contract or purchase order so that such provisions will be binding upon such Subcontractor or vendor.

22.2. Guarantee that during the performance of any City contract or agreement the Contractor, Subcontractor, vendor, or supplier of the City shall comply with all provisions of the Civil Rights Act of 1964, The Equal Employment Opportunity Act of 1972, ~~Executive Order 11246~~, Age Discrimination in Employment Act of 1967, ~~Part 20 Title 41 of the Code of Federal Regulations~~, Rehabilitation Act of 1973, ~~City Ordinance No. 14218~~ and/or any laws, regulations or amendments as may be promulgated thereunder.

23. Affirmative Action Program.

Redacted

All persons seeking to enter into a contract with the City of Topeka shall submit in writing to the Contracts and Procurement Division-Contract Compliance an affirmative action program. Such program shall be approved and on file with the Contracts and Procurement Division-Contract Compliance prior to the bid opening. Failure to maintain an approved affirmative action program on file prior to the bid opening shall deem the bid non-responsive and it will not be accepted.

An Affirmative Action program means a positive program designed to ensure that a good faith effort will be made to employ applicants and to treat employees equally without regard to their race, sex, religion, color, national origin, age, ancestry or handicap. An affirmative action program shall include, where applicable, but not be limited to, the following: recruitment, recruitment advertising, employment, upgrading, promotion, demotion, transfer, lay-off, termination, rates of pay, other terms or conditions of employment, selection for training, and apprenticeship. It shall include goals, methodology and a timetable for implementation of the program, when appropriate. Goals for participation on City projects shall be 7% minority and 6.9% female. All Subcontractors performing work to fulfill all or any part of a General Contractor's obligation are subject to these affirmative action provisions. General Contractors shall be responsible for ensuring compliance by their Subcontractors.

Redacted

Any person who so desires may file an affirmative action program annually which shall apply to all bids which such person shall make during the calendar year next succeeding the date of such filing. However, annual submission of the affirmative action program shall not excuse any person from submission of a work force analysis or other requirements for utilization of minority and/or female employees in a work force either concurrently with or prior to any contract bid or proposal. Any annual submission shall be subject to review by the Contracts and Procurement Division-Contract Compliance and shall be amended at such time and in such manner as the Contracts and Procurement Division-Contract Compliance may require.

Redacted

Redacted

24. Notification of Minority Business Enterprises (MBE) and Women Business Enterprises (WBE). It is the policy of the City of Topeka that minority and women business enterprises shall have the opportunity to participate in the performance of contracts and subcontracts. The Contractor shall take the necessary steps, as herein established, to ensure that MBE's and WBE's have the opportunity to compete for and perform subcontract work. In this regard, the Contractor shall demonstrate a good faith effort by any one of the following methods:

- a. Complete and submit the Notification of Available Subcontract Work form, Document No. 840, ten (10) days prior to the bid opening.

If a portion of the work on this project is to be subcontracted, the bidder shall submit the Notification of Available Subcontract Work form so as to be received by the Contracts and Procurement Division-Contract Compliance, City Hall, 215 E. 7th Street, Topeka, Kansas 66603, ten (10) days prior to the bid opening date. A bidder shall certify the timely delivery of the form either by hand delivery or by fax signed by an authorized employee of the Contracts and Procurement Division-Contract Compliance. Once the Notification of Available Subcontract Work forms are received by the Contracts and Procurement Division-Contract Compliance, they will be mailed to interested minority and women owned businesses as notification of subcontracting opportunities.

- b. Demonstrate a good faith effort to offer minority and women business enterprises an opportunity to compete for subcontracts.

A bidder may satisfy the requirements of this section by presenting documentation that demonstrates good faith efforts to notify MBE's and WBE's of available subcontracting opportunities on the project being bid. Such documentation may include, but not be limited to the following: advertisement in general circulation, trade associations, or minority focus media of subcontracting opportunities, written notice to MBE's and WBE's soliciting their participation in the contract, and evidence of efforts to negotiate with MBE's or WBE's to perform work under this contract.

- c. Demonstrate participation by minority and/or women business enterprises as subcontractors on the project.

A bidder may satisfy the requirements of this section by submitting documentation of MBE and/or WBE participation as subcontractors on the project comparable to the known availability of qualified MBE's and WBE's.

For purposes of assessing this section, the successful contractor shall be required, upon request, to submit names and addresses of minority owned and women owned businesses that are subcontractors, a description of the work to be performed, and an aggregate dollar amount of participation by each named MBE and WBE subcontractor.

25. Wage Rates.

The Wage Rate Determination included in this Project Manual, Document No. 850, will be applicable to the project *only if state or federal law requires payment of wages higher than the minimum wage. If Document No. 850 Wage Rate Determination is not included in the Project Manual, then Davis Bacon wages shall not be required for the project.* These wages must be paid unconditionally to each class of worker for the duration of the project, unless they are changed by Addendum. The Wage Rate Determination shall be accounted for when preparing the bid. If your company pays fringe benefits to approved plans, funds or programs, it is necessary that verification of payment of these benefits be made to the Contracts and Procurement Division-Contract Compliance with the first payroll. Any

company not affiliated with an approved plan, fund or program must pay both the base pay and all fringe benefits to each employee in cash. Any worker who works more than 40 hours a week must be paid 1 ½ times the base pay plus all fringe benefits.

Certified payrolls must be submitted on a weekly basis by the prime contractor and all his subcontractors to the Contracts and Procurement Division-Contract Compliance. Failure to do so will result in any payment being withheld until the prime contractor and all his subcontractors are in compliance with this section. A report must be submitted for every week until the job is complete even if no work is performed, fill out a payroll report, sign it and write across it "No Work Performed This Week".

Final payment on this project will not be released until all information has been correctly submitted to the Contracts and Procurement Division-Contract Compliance. The Contractor shall be responsible for the submittal of all Subcontractors' wage determination information.

26. Standard Technical Specifications.

This project shall be subject to the applicable sections of the "Standard Technical Specifications" of the City of Topeka, Kansas, latest edition with any addenda thereto, except as modified or supplemented by specifications contained in this Project Manual.

DOCUMENT 101
MODIFICATIONS TO INSTRUCTIONS TO BIDDERS

These modifications to the Instruction to Bidders amend or supplement the Instruction to Bidders, Document 100, of this Project Manual, as listed below. All provisions which are not so amended or supplemented shall remain in full force and effect.

- 1) Award of the contract will be based on the lowest aggregate sum proposal of either the Base Bid plus Add Alternate No. 1 (UBAS Material Option) OR the Base Bid plus Add Alternate No. 2 (Microsurfacing (Double Application) Material Option) for the option that is in the Owner's best interest submitted from those bidders that are confirmed as being responsive and responsible. Contractors shall bid all items in the Base Bid, however the Contractor may bid on either or both add alternates.

A combination of alternates will not be awarded that results in both UBAS and Double Micro surfacing. It will be either all UBAS or all Double Micro. In other words, award of additional Add Alternates Nos. 1A, 1B, 1C, and/or 1D may only be accepted if Add Alternate No. 1 is awarded. Award of additional Add Alternates Nos. 2A, 2B, 2C, and/or 2D may only be accepted if Add Alternate No. 2 is awarded. These add alternates will be awarded to the chosen bidder based on the criteria above, and will be added to the contract for the individual, multiple, or all alternates that is in the Owner's best interest.

- 2) If either add-alternate 1A or 2A is awarded, then both the Substantial Completion date and Final Completion date will be extended by 7 days.

If either add-alternate 1B or 2B is awarded, then both the Substantial Completion date and Final Completion date will be extended by 7 days.

If either add-alternate 1C or 2C is awarded, then both the Substantial Completion date and Final Completion date will be extended by 7 days.

Award of add-alternate 1D or 2D would not change the completion dates.

DOCUMENT 530A
DATE CERTAIN
AGREEMENT

THIS AGREEMENT is dated as of _____, by and between the City of Topeka (hereinafter called Owner) and _____ (hereinafter called Contractor).

Owner and Contractor in consideration of the mutual covenants hereinafter set forth, agree as follows:

Article 1. Work.

Contractor shall complete all Work as specified or indicated in the Contract Documents. The Project for which the Work under the Contract Documents is to be performed is: City of Topeka UBAS 2026 Project 841106.02.

Article 2. Engineer.

The project has been designed by Benesch. The City Engineer is hereinafter designated as the Engineer and is to act as Owner's representative, assume all duties and responsibilities and have the rights and authority assigned to Engineer in the Contract Documents in connection with completion of the Work in accordance with the Contract Documents.

Article 3. Contract Time.

3.1. The actual Contract Time will commence on and be completed by the dates set forth on the Start Work Order, signed by Contractor and City of Topeka Project Manager. Any issuance by Owner of Stop Work Order, or Resume Work Order, or Revised Start Work Order will control Contract Time as defined herein.

3.2 The Contract Time is estimated to commence with an issuance of a Work Order by the Owner on or about July 6th, 2026, provided the Contractor complies with the required submittal times for the executed Agreement and its counterparts, and be substantially completed on or before September 11th, 2026, and completed and ready for final completion and payment in accordance with paragraph 14.13 of the General Conditions on or before September 25th, 2026. Said dates are subject to revision and will be controlled by the issuance by Owner of Stop Work Order, or Resume Work Order, or Revised Start Work Order.

3.3. Incentive-Disincentive Provision. The project will result in significant adverse impact to the traveling public in the form of increased time and cost to negotiate detours around the project location. Therefore, an incentive-disincentive provision shall be applicable to the Contract Time stipulated for substantial completion in paragraph 3.1. Substantial Completion, for the purposes of this incentive-disincentive provision is specifically defined in the Supplementary Conditions.

3.3.1. The Contractor will receive an incentive payment of \$1,000 per day for each day or part thereof that the project is substantially complete prior to 12:00 mid-night on the date stipulated for substantial completion in paragraph 3.1. The incentive payments will be made up to a maximum limit of \$25,000 for a maximum of 25 days prior to the date of substantial completion.

3.3.2. The Contractor will be assessed as a disincentive the per day amount stipulated in paragraph 3.3.1 above for each day or part thereof that the project is not substantially complete by 12:00 mid-night on the date stipulated for substantial completion in paragraph 3.2. The disincentive assessment will continue until the Engineer notifies the Owner of substantial completion in accordance with the provisions of paragraph 14.8 of the General Conditions. The Owner may deduct the total accrued disincentive assessment from the final payment due to the Contractor if sufficient monies are available. Otherwise, the Contractor shall pay to the Owner the total accrued disincentive assessment.

3.4. Extensions of Time. This paragraph replaces paragraph 12.2 of the General Conditions.

3.4.1. No extension of Contract Time beyond the date stipulated for substantial completion in paragraph 3.1 shall be considered for reasons including, but not limited to, variations between actual and bid quantities, availability of materials and equipment, abnormal weather conditions, addition of extra work contiguous with the project and normal coordination with the work of others.

3.4.2. If the Contractor believes that any item of Work or event has unreasonably delayed or prevented Contractor's progress and ability to substantially complete the Work within the stipulated time, Contractor may make a claim therefor in accordance with paragraph 12.1 of the General Conditions.

3.5. Liquidated Damages. Owner and Contractor recognize that time is of the essence of this Agreement and that Owner will suffer financial loss if the Work is not complete and ready for final payment by the date specified in paragraph 3.1 above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty) Contractor shall pay Owner according to the following schedule:

Contract Amount	Substantial Completion Liquidated Damages	Final Completion Liquidated Damages
\$0 to \$25,000	\$150	\$150
\$25,001 to \$50,000	\$250	\$250
\$50,001 to \$100,000	\$400	\$400
\$100,001 to \$500,000	\$750	\$750
\$500,001 to \$1,000,000	\$1,250	\$750
\$1,000,001 to \$1,500,000	\$2,000	\$1,250
\$1,500,001 to \$2,000,000	\$2,500	\$1,500
\$2,000,001 to \$5,000,000	\$3,000	\$2,000
\$5,000,001 to \$10,000,000	\$5,000	\$3,000
\$10,000,001 and up	\$7,000	\$4,000

For each day that expires after the time specified in paragraph 3.2 for Substantial and Final Completion. The Owner may deduct the total accrued liquidated damages from the final payment due to the Contractor.

Article 4. Contract Price.

Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents in current funds as per the Contractor's Bid, which is attached as an exhibit to this Agreement.

Article 5. Payment Procedures.

Contractor shall submit Applications for Payment in accordance with Article 14 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

5.1. Progress Payments. Owner shall make progress payments on account of the Contract Price on the basis of Contractor's Applications for Payment as recommended by Engineer within thirty-five (35) days following the end of the period for which payment is being requested, provided the application for payment is submitted within seven (7) days following the end of the period. Periods shall end the 15th of each month. All progress payments will be based on the number of units or estimated percentage of the Work completed in accordance with paragraph 14.1 of the General Conditions.

5.1.1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below, but, in each case, less the aggregate of payments previously made and less such amounts as Engineer shall determine, or Owner may withhold, in accordance with paragraph 14.7 of the General Conditions.

- (1) 90% of Work completed. If the project has been 50% completed as determined by Engineer, and if the character and progress of the Work have been satisfactory to Owner and Engineer upon written request by the Contractor, Owner, may determine that as long as the character and progress of the Work remain satisfactory to them, that the retainage on account of Work completed be reduced

or eliminated. Reduction or elimination of the retainage will be at the sole discretion of the Owner.

- (2) 0 % of materials and equipment not incorporated in the Work (but delivered, suitably stored and accompanied by documentation satisfactory to Owner as provided in paragraph 14.2 of the General Conditions).

5.1.2. Upon Substantial Completion, in an amount sufficient to increase total payments to Contractor to 95% of the Contract Price, less such amounts as Engineer shall determine, or Owner may withhold, in accordance with paragraph 14.7 of the General Conditions.

5.2. Final Payment. Upon final completion and acceptance of the Work in accordance with paragraph 14.13 of the General Conditions, including timely submission of an Application for Final Payment, Owner shall pay the remainder of the Contract Price as recommended by Engineer as provided in said paragraph 14.13. Contractor agrees that failure to timely submit a Final Application for Payment pursuant to paragraph 14.13(a) will result in forfeiture of any remaining amounts due.

5.3. Interest. All monies not paid when due hereunder shall not bear interest.

Article 6. Contractor's Representations.

In order to induce Owner to enter into this Agreement, Contractor represents that he fully complies with the requirements stated in paragraphs 3b. through 3g. of the Bid Form, which is attached as an exhibit to this Agreement.

Article 7. Contract Documents.

The Contract Documents which comprise the entire agreement between Owner and Contractor concerning the Work consist of the following:

- 7.1. This Agreement.
- 7.2. Performance and other Bonds contained in this Project Manual.
- 7.3. Work Order.
- 7.4. General Conditions contained in this Project Manual.
- 7.5. Supplementary Conditions contained in this Project Manual, if any.
- 7.6. The City of Topeka Standard Technical Specifications for Sewers, Streets, Sidewalks and Miscellaneous Construction of the City of Topeka, Kansas, current edition, with any addenda thereto.
- 7.7. Specifications contained in this Project Manual, if any.
- 7.8. Project Drawings, bearing the following title: City of Topeka UBAS 2026 Project 841106.02.
- 7.9. Addenda _____ to _____, inclusive.

7.10. Contractor's Bid, including all attachments to Bid, which is attached as an exhibit to this Agreement.

7.11. Equal Employment Opportunity and Affirmative Action Program requirements stated in the Instructions to Bidders. **Redacted**

7.12. Notification of Minority and Women Business Enterprises requirements stated in the Instructions to Bidders. **Redacted**

7.13. Wage Rate Determination will only be inserted if wage rates are required by state or federal law (where the state or federal funding source) requires the City to enforce wage rates for project.

7.14. The following which may be delivered or issued after the Effective Date of the Agreement and are not attached hereto: All Change Orders and other documents amending, modifying, or supplementing the Contract Documents pursuant to paragraphs 3.4 and 3.5 of the General Conditions.

There are no Contract Documents other than those listed above in this Article 7. The Contract Documents may only be amended, modified or supplemented as provided in paragraphs 3.4 and 3.5 of the General Conditions.

Article 8. Suspension of Contractor.

8.1. Contractor will be placed on Owner's "List of Suspended Contractors" for a period of time from the date of written notification by Owner if Contractor fails to perform in accordance with specific provisions stated in paragraph 8.2 of this Article 8. The period of Suspension shall be established as follows:

First Suspension - 1 year

Second Suspension - 2 years

Third Suspension - Permanent

During the period of suspension, the Contractor will not be permitted to submit a bid to Owner to perform Work either directly or indirectly or as a subcontractor.

8.2. The Contractor shall be suspended upon written notification by Owner:

8.2.1. If Contractor exceeds the Contract Times for substantial completion or final payment as indicated in paragraph 3.1, plus any extensions thereof made in accordance with Article 12 of the General Conditions, by more than ten (10) days or 15%, whichever is greater, or

8.2.2. Upon occurrence of any of the events stated in paragraph 15.2 of the General Conditions.

8.2.3. If Contractor fails to complete any outstanding "One-Year Correction Period" work, as defined in paragraph 13.12 of the General Conditions, on previously completed projects within 90 calendar days of written notification by the Owner, the Contractor will be placed on Owners "List of Suspended Contractors", as defined in

paragraph 8.1, Article 8. Suspension of Contractor, and shall remain suspended until such time as the corrective work has been certified as complete in writing by the Owner.

Article 9. Miscellaneous.

9.1. Terms used in this Agreement which are defined in Article 1 of the General Conditions will have the meanings indicated in the General Conditions.

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

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

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement in triplicate. One counterpart each has been delivered to Owner, Contractor and Design Engineer. All portions of the Contract Documents have been signed or identified by Owner and Contractor or by Design Engineer on their behalf.

CITY OF TOPEKA, KANSAS

CONTRACTOR NAME

Robert M. Perez, Ph.D., City Manager

Authorized Signer

ATTEST:

Brenda Younger, City Clerk

APPROVED AS TO FORM AND LEGALITY
DATE _____ BY _____

C&P DIRECTOR

DOCUMENT 700

GENERAL CONDITIONS

FOR

CITY OF TOPEKA

DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION PROJECTS

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GENERAL CONDITIONS

ARTICLE 1 - DEFINITIONS

Wherever used in these General Conditions or in the other Contract Documents the following terms have the meanings indicated which are applicable to both the singular and plural thereof:

Addenda - Written or graphic instruments issued prior to the opening of Bids which clarify, correct or change the bidding documents or the Contract Documents.

Agreement - The written agreement between Owner and Contractor covering the Work to be performed; other Contract Documents are attached to the Agreement and made a part thereof as provided therein.

Application for Payment - A form acceptable to the Engineer which is to be used by Contractor in requesting progress or final payments and which is to include such supporting documentation as is required by the Contract Documents.

Bid - The offer or proposal of the bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

Bonds - Bid, performance and payment bonds and other instruments of security.

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 Time, issued on or after the Effective Date of the Agreement.

City Engineer - The City Engineer of the City of Topeka or authorized representatives of the Engineering Division or the Utilities Department of the City of Topeka.

Contract Documents - 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 Award of contract) 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 amendments, modifications and supplements issued pursuant to paragraphs 3.4 and 3.5 on or after the Effective Date of the Agreement.

Contract Price - The moneys payable by Owner to Contractor under the Contract Documents as stated in the Agreement.

Contract Time - The number of days or the date stated in the Agreement for the completion of the Work.

Contractor - The person, firm or corporation with whom Owner has entered into the Agreement.

Defective - An adjective which when modifying the word Work refers to Work that is unsatisfactory, faulty or deficient, or 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 14.8 or 14.10).

Design Engineer - The person, firm or corporation responsible for the design of the project and named as such in the Agreement.

Drawings - The drawings which show the character and scope of the work to be performed and which have been prepared or approved by Engineer and are referred to in the Contract Documents.

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.

Engineer - The Engineer shall be either the Design Engineer or the City Engineer as designated in the Agreement.

Field Order - A written order issued by Engineer which orders minor changes in the Work in accordance with paragraph 9.5 but which does not involve a change in the Contract Price or the Contract Time unless subsequently agreed to by Change Order.

Final Acceptance - The date when the Owner accepts in writing that the construction of the project is complete in accordance with the Contract Documents such that the entire project can be utilized for the purposes for which it is intended and Contractor is entitled to final payment.

Final Completion - The date when the construction of the project is complete and all identified incomplete or defective items of work have been corrected to the satisfaction of the Engineer.

Force Account Work - Work authorized and approved by the Owner to be paid on the basis of actual cost in accordance with paragraphs 11.4 through 11.7.

Contracts and Procurement Division-Contract Compliance - The Contracts and Procurement Division-Contract Compliance, and their authorized representatives, acting within the authority delegated to them.

Laws and Regulations; Laws or Regulations - Laws, rules, regulations, ordinances, codes and/or orders.

Owner - The City of Topeka, Kansas with whom Contractor has entered into the Agreement and for whom the Work is to be provided.

Partial Utilization - Placing a portion of the Work in service for the purpose for which it is intended (or a related purpose) before reaching Substantial Completion for all the Work.

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

Project Representative - The authorized representative of Engineer who is assigned to the site or any part thereof.

Shop Drawings - All drawings, diagrams, illustrations, schedules and other data which are specifically prepared by or for Contractor to illustrate some portion of the Work and all illustrations, brochures, standard schedules, performance charts, instructions, diagrams and other information prepared by a Supplier and submitted by Contractor to illustrate material or equipment for some portion of the Work.

Specifications - The City of Topeka Standard Technical specifications or the portion of the Contract Documents consisting of written technical descriptions of materials, equipment, construction systems, standards and workmanship as applied to the Work and certain administrative details applicable thereto.

Subcontractor - An individual, firm or corporation having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work at the site.

Substantial Completion - The Work (or a specified part thereof) has progressed to the point where, in

the opinion of Engineer as evidenced by Engineer's notice of Substantial Completion, it is sufficiently complete, in accordance with the Contract Documents, so that the Work (or specified part) can be utilized for the purposes for which it is intended; or if there be no such certificate issued, when final payment is due in accordance with paragraph 14.13. The terms "Substantially Complete" and "Substantially Completed" as applied to any Work refer to Substantial Completion thereof.

Supplementary Conditions - The part of the Contract Documents which amends, modifies or supplements these General Conditions, other provisions of the Contract Documents, the Standard Technical Specifications or the Drawings.

Supplier - A manufacturer, fabricator, supplier, distributor, materialman or vendor.

Underground Facilities - All pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels or other such facilities or attachments, and any encasements containing such facilities which have been installed underground to furnish any of the following services or materials: electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, sewage and drainage removal, traffic or other control systems or water.

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

Work - The entire completed construction or the various separately identifiable parts thereof required to be furnished under the Contract Documents. Work is the result of performing services, furnishing labor and furnishing and incorporating materials and equipment into the construction, all as required by the Contract Documents.

Work Change Directive - A written directive 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 physical conditions under which the Work is to be performed as provided in paragraph 4.2 or 4.3 or to emergencies under paragraph 6.22. A Work Change Directive may not change the contract Price or the Contract time, but is evidence that the parties expect that the change directed or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order following negotiations by parties as to its effect, if any, on the Contract Price or Contract Time as provided in paragraph 10.2.

Work Order - A written notice given by Owner to Contractor fixing the date on which the Contract Time will commence to run and on which Contractor shall start to perform Contractor's obligations under the Contract Documents.

ARTICLE 2 - PRELIMINARY MATTERS

Delivery of Bonds, Evidence of Insurance and Licenses:

2.1. When Contractor delivers the executed Agreements to Owner, Contractor shall also deliver to Owner such Bonds as Contractor may be required to furnish in accordance with paragraph 5.1. Contractor shall also deliver with the executed Agreements certificates of insurance which Contractor is required to purchase and maintain in accordance with paragraphs 5.3 through 5.7. All Certificates of Insurance shall utilize the ACORD 25-S form, most recent revision date. Further Contractor shall deliver all Licenses required in accordance with paragraph 6.13.

Copies of Documents:

2.2. Owner shall furnish to Contractor up to eight (8) copies (unless otherwise specified in the Supplementary Conditions) of the Contract documents as are reasonably necessary for the execution of the Work. Additional copies will be furnished, upon request, at the cost of reproduction. The deposit check for Plans of the successful bidder will be retained.

Commencement of Contract Time:

2.3. The Contract Time will commence to run on the day indicated on the Work Order. A Work Order may be issued at any time within thirty days after the Effective Date of the Agreement. In no event will the Contract time commence to run later than the seventy-fifth day after the day of bid opening or the thirtieth day after the Effective Date of the Agreement, whichever date is earlier.

Starting the Project:

2.4. Contractor shall start to perform the Work on the date when the Contract Time commences to run, but no Work shall be done at the site prior to the date on which the Contract time commences to run, unless otherwise authorized in writing.

Before Starting Construction:

2.5. Before undertaking each part of the Work, Contractor shall carefully study and compare the Contract Documents and check and verify pertinent figures shown thereon and all applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error 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 or discrepancy in the Contract Documents, unless Contractor had actual knowledge thereof or should reasonably have known thereof.

Schedule Requirements:

2.6.1. The Contractor shall submit, with the executed Agreement and Contract Documents, a schedule of proposed construction operations which is acceptable to the Owner for any project with a substantial completion time greater than 60 days or with a calendar date completion time as defined in paragraph 3.1 of the Agreement; however, on any project for which more than one pay estimate will be submitted, a schedule of proposed construction operations shall be submitted. The schedule shall comply with all provisions of this specification. The schedule shall be a bar graph type schedule which identifies the target starting and completion dates for each bid item of the Work. The schedule shall indicate completion of the various parts of the Work and the total project within the times called out in the Agreement.

The schedule will be used to monitor the performance of the Contractor and shall be monitored and updated monthly or more frequently if deemed necessary by the Engineer during the course of the project. Contractor shall submit the updated and/or revised project schedule with the monthly pay estimate in accordance with paragraph 14.2. Should the Work fall significantly (20%) behind schedule, the Contractor shall submit a revised schedule detailing corrective measures to be taken to complete the project within the time limits specified in the Agreement. Owner may require Contractor to add to his equipment or construction forces, as well as increase the working hours, if operations fall behind schedule at any time during the construction period. Owner may require Contractor to reimburse Owner for all costs, including charges of Engineer and Owner's professional consultants, caused by any increase in Contractor's allowable working hours as defined below. Owner may deduct such costs from any payment due Contractor.

The following requirements shall be taken into consideration in preparing the schedule of construction operations: No Work shall be done between the hours of 8:00 p.m. and 6:00 a.m., nor on Saturdays, Sundays, or legal holidays, without permission of Owner, except such Work as may be necessary for the proper care, maintenance, and protection of the Project, or in the case of an emergency. Such permission may be granted or denied at the complete discretion and convenience of the Owner and, if granted, may be revoked at any time if the Contractor fails to maintain adequate equipment and supervision for the proper prosecution and control of the Work and all operations performed thereunder, or if the Contractor fails to comply with any conditions of the Owner's authorization.

2.6.2. The Contractor shall submit to the Engineer, prior to the date of the Preconstruction Conference, a schedule of Shop Drawing submissions which shall include the items of materials and equipment for which shop drawings are required by the specifications. For each required shop drawing, the date shall be given for intended submission of the drawing to Engineer for review and the date required for its return to avoid delay in any activity beyond the scheduled start date. Sufficient time shall be allowed for initial review, correction and resubmission, and final review of all shop drawings. In no case will a schedule be acceptable which allows less than 15 days for each review by Engineer.

2.6.3. Before any Work at the site is started, Contractor shall deliver to Owner certificates of insurance (and other evidence of insurance requested by Owner) which Contractor is required to purchase and maintain in accordance with paragraphs 5.3 through 5.7.

Preconstruction Conference:

2.7. Within twenty days after the Effective Date of the Agreement, but before Contractor starts the Work at the site, a conference attended by Contractor, Engineer and others as appropriate will be held to discuss the schedules referred to in paragraph 2.6, to discuss procedures for handling Shop Drawings and other submittals and for processing Applications for Payment, and to establish a working understanding among the parties as to the Work. The Contractor's representative shall be the resident superintendent or an individual fully qualified and knowledgeable of the Contractor's field operations.

Contracts and Procurement Division-Contract Compliance representatives will be present at the preconstruction conference to discuss with the Contractor duties and obligations arising from Equal Employment Opportunity, Affirmative Action, requirements of local labor utilization, payment of the current Wage Determinations, and other matters coming within the purview of the Contracts and Procurement Division-Contract Compliance.

ARTICLE 3 - CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE

Intent:

3.1. The Contract Documents comprise the entire agreement between Owner and Contractor concerning the Work. The contract Documents are complementary; what is called for by one is as binding as if called for by all. The Contract Documents will be construed in accordance with all applicable laws and ordinances.

3.2. 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 Work, materials or equipment that may reasonably be inferred from the Contract Documents as being required to produce the intended result will be supplied whether or not specifically called for.

3.3. When words which have a well-known technical or trade meaning are used to describe Work, materials or equipment such words shall be interpreted in accordance with that meaning. Reference to standard specifications, manuals or codes of any technical society, organization or association, or to the Laws or Regulations of any governmental authority, whether such reference be specific or by implication, shall mean the latest 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). However, no provision of any referenced standard specification, manual or code (whether or not specifically incorporated by reference in the Contract Documents) shall be effective to change the duties and responsibilities of Owner, Contractor or Engineer, or any of their consultants, agents or employees from those set forth in the Contract Documents, nor shall it be effective to assign to Engineer, or any of Engineer's consultants, agents or employees, any duty or authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraph 9.15 or 9.16. Clarifications

and interpretations of the Contract Documents shall be issued by Engineer as provided in paragraph 9.4.

3.4. If, during the performance of the Work, Contractor finds a conflict, error or discrepancy in the Contract Documents, Contractor shall so report to Engineer in writing at once and before proceeding with the Work affected thereby shall obtain a written interpretation or clarification from Engineer; however, Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error or discrepancy in the Contract Documents unless Contractor had actual knowledge thereof or should reasonably have known thereof.

Amending and Supplementing Contract Documents:

3.5. 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:

3.5.1. A Change Order (pursuant to paragraph 10.4),

or

3.5.2. A Work Change Directive (pursuant to paragraph 10.1).

As indicated in paragraphs 11.2 and 12.1, Contract Price and Contract Time may only be changed by a Change Order.

3.6. In addition, the requirements of the Contract Documents may be supplemented, and minor variations and deviations in the Work may be authorized, in one or more of the following ways:

3.6.1. A Field Order (pursuant to paragraph 9.5),

3.6.2. Engineer's approval of a Shop Drawing or sample (pursuant to paragraphs 6.26 and 6.27), or

3.6.3. Engineer's written interpretation or clarification (pursuant to paragraph 9.4).

Reuse of Documents:

3.7. Neither Contractor nor any Subcontractor or Supplier or other person or organization performing or furnishing any of the Work under a direct or indirect contract with Owner shall 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 Design Engineer; and they shall not reuse any of them on extensions of the Project or any other project without written consent of Owner and Design Engineer and specific written verification or adaptation by Design Engineer.

ARTICLE 4 - AVAILABILITY OF LANDS; PHYSICAL CONDITIONS; CONSTRUCTION LAYOUT

Availability of Lands:

4.1. Owner shall furnish, as indicated in the Contract Documents, the lands upon which the Work is to be performed, rights-of-way and easements for access thereto, and such other lands which are designated for the use of Contractor. Easements for permanent structures or permanent changes in existing facilities will be obtained and paid for by Owner, unless otherwise provided in the Contract Documents. Temporary easements will be provided to accommodate normal construction methods and the Contractor may be required to protect designated structures or vegetation from damage. The Contractor may provide additional lands required for temporary construction facilities and storage of materials and equipment at his own expense. Evidence, in writing, of permission to occupy or use areas outside the limits of public right-of-way or easements provided by the Owner shall be supplied to the Engineer. If Contractor believes that any delay in Owner's furnishing these lands, rights-of-way or easements entitles Contractor to an extension of the Contract Time, Contractor may make a claim therefor as provided in Article 12.

Physical Conditions:

4.2.1. Explorations and Reports: Reference is made to the Supplementary Conditions for identification of those reports of explorations and tests of subsurface conditions at the site that have been utilized by Design Engineer in preparation of the Contract Documents. These reports are not guaranteed as to accuracy or completeness, nor are they part of the Contract Documents. Contractor shall have full responsibility with respect to subsurface conditions at the site.

4.2.2. Existing Structures: Reference is made to the Supplementary Conditions for identification of those drawings of physical conditions in or relating to existing surface and subsurface structures (except Underground Facilities referred to in paragraph 4.3) which are at or contiguous to the site that have been utilized by the Design Engineer in preparation of the contract Documents. Contractor may rely upon the accuracy of the technical data contained in such drawings, but not for the completeness thereof for Contractor's purposes. Except as indicated in the immediately preceding sentence and in paragraph 4.2.6, Contractor shall have full responsibility with respect to physical conditions in or relating to such structures.

4.2.3. Report of Differing Conditions: If Contractor believes that:

4.2.3.1. Any technical data on which Contractor is entitled to rely as provided in paragraphs 4.2.1 and 4.2.2 is inaccurate, or

4.2.3.2. Any physical condition uncovered or revealed at the site differs materially from that indicated, reflected or referred to in the Contract Documents,

Contractor shall, promptly after becoming aware thereof and before performing any Work in connection therewith (except in an emergency as permitted by paragraph 6.22), notify Owner and Engineer in writing about the inaccuracy or difference.

4.2.4. Engineer's Review: Engineer will promptly review the pertinent conditions, determine the necessity of obtaining additional explorations or tests with respect thereto and advise Owner in writing (with a copy to Contractor) of Engineer's findings and conclusions.

4.2.5. Possible Document Change: If Engineer concludes that there is a material error in the Contract Documents or that because of newly discovered conditions a change in the Contract documents is required, a Work Change Directive or a Change Order will be issued as provided in Article 10 to reflect and document the consequences of the inaccuracy or difference.

4.2.6. Possible Price and Time Adjustments: In each such case, an increase or decrease in the Contract Price or an extension or shortening of the Contract Time, or any combination thereof, will be allowable to the extent that they are attributable to any such inaccuracy or difference. If Owner and Contractor are unable to agree as to the amount or length thereof, a claim may be made therefor as provided in Articles 11 and 12.

Physical Conditions - Underground Facilities:

4.3.1. 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 Design Engineer by the owners of such Underground Facilities or by others. Unless it is otherwise expressly provided in the Supplementary Conditions:

4.3.1.1. Owner and Design Engineer shall not be responsible for the accuracy or completeness of any such information or data; and,

4.3.1.2. Contractor shall have full responsibility for reviewing and checking all such information and data, for locating all Underground Facilities shown or indicated in the Contract Documents, for coordination of the Work with the owners of such Underground Facilities during construction, for the safety and protection thereof as provided in paragraph 6.20 and repairing any damage thereto resulting from the Work, the cost of all of which will be considered as having been included in the Contract Price.

4.3.2. Not Shown or Indicated. If an Underground Facility is uncovered or revealed at or contiguous to the site which was not shown or indicated in the Contract Documents and which Contractor could not reasonably have been expected to be aware of, Contractor shall promptly after becoming aware thereof and before performing any Work affected thereby (except in an emergency as permitted by paragraph 6.22), identify the Owner of such Underground Facility and give written notice thereof to that owner and to Owner and Engineer. Engineer will promptly review the Underground Facility to determine the extent to which the Contract Documents should be modified to reflect and document the consequences of the existence of the Underground Facility, and the Contract Documents will be amended or supplemented to the extent necessary. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility as provided in paragraph 6.20. Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, to the extent that they are attributable to the existence of any Underground Facility that was not shown or indicated in the Contract Documents and which Contractor could not reasonably have been expected to be aware of. If the parties are unable to agree as to the

amount or length thereof, Contractor may make a claim therefor as provided in Articles 11 and 12.

Reference Points:

4.4.1 Engineer shall provide engineering surveys to establish reference points and benchmarks for construction which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall protect and preserve the established reference points and benchmarks and shall make no changes or relocations without the prior written approval of Engineer. Contractor shall report to Engineer whenever any reference point 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 by professionally qualified personnel.

4.4.2. The Contractor shall protect from physical disturbance all monuments and benchmarks of the City, County, State or Federal Government without the prior written approval of the Owner or until they have been removed, witnessed or otherwise disposed of by the Engineer.

Construction Layout:

4.5. When there is no bid item for contractor provided staking, the City Engineer or the Design Engineer, as designated at the pre-construction conference, will provide construction layout (staking) of all improvements at no cost to the Contractor. The Contractor shall be responsible for scheduling staking and shall provide the Engineer with at least 48 hours notice prior to the time staking is required. The Contractor must satisfy himself as to the meaning of all stakes and marks prior to start of any construction activity based on those stakes. The Engineer assumes no liability for stakes that are misinterpreted by the Contractor or are damaged due to any activity. Once stakes are set and marked, it is the Contractor's responsibility to preserve them from all types of damage, and in the event of his failure to do so, he shall pay the Engineer to reset the stakes.

ARTICLE 5 - BONDS AND INSURANCE

Performance and Other Bonds:

5.1. Contractor shall furnish performance and payment Bonds, each in an amount 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 otherwise provided by Law or Regulation or by the Contract Documents. The performance bond shall acknowledge the one year correction period in accordance with the requirements of Article 13. All Bonds shall be in the forms prescribed by Law or Regulation or by the Contract Documents and be executed by such sureties who 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 Audit Staff Bureau of Accounts, U.S. Treasury Department. All Bonds signed by an agent must be accompanied by a certified copy of the authority to act.

5.2. If the surety on any Bond furnished by Contractor is declared a 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 5.1, Contractor shall within five days thereafter substitute another Bond and Surety, both of which must be acceptable to Owner.

Contractor's Liability Insurance:

5.3. Contractor shall purchase and maintain such commercial general liability and other insurance as is appropriate for the Project and 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 for whose acts any of them may be liable:

5.3.1. Claims under workers' or workmen's compensation, disability benefits and other similar employee benefit acts, as per state and federal statutory requirements.

5.3.2. Employers Liability Insurance covering claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees with a \$500,000.00 each person, limit.

5.3.3. Claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees;

5.3.4. Claims for property damages, other than to the Work itself, because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom;

5.3.5. Claims arising out of operation of Laws or Regulations for damages because of bodily injury or death of any person or for damage to property; and

5.3.6. The commercial general liability insurance required under paragraphs 5.3.3 through 5.3.5 shall have the following specific coverages:

(1) General Liability:

1.	Each Occurrence	\$1,000,000
2.	Personal and Advertising Injury	\$1,000,000
3.	Products and Completed Operations Aggregate	\$1,000,000
4.	General Aggregate	\$2,000,000
5.	Rented Premises	\$ 100,000
6.	Medical Expenses	\$ 5,000

(2) Excess Liability:

Bodily Injury and Property Damage Combined:

\$1,000,000 Each Occurrence
\$1,000,000 Annual Aggregate

The commercial general liability insurance shall include completed operations insurance. Property Damage liability insurance shall be provided with coverages for explosion, collapse and underground hazards, where applicable. The Owner shall be named as an additional insured on the Contractor's general liability policy.

(3) Automobile Liability:

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. Coverages for hired car and employee non-owned auto liability shall also be provided. The coverage limits shall be:

Combined Single Limit for Each Occurrence \$1,000,000

(4) Contractual Liability Insurance:

5.4. The commercial general liability insurance required by paragraph 5.3 will include contractual liability insurance applicable to Contractor's obligations under the Contract Documents.

(5) Property Insurance:

5.5. Contractor shall purchase and maintain property insurance upon the Work at the site to the full insurable value thereof (subject to such deductible amounts as required by Laws and Regulations) for all projects which include construction of or modification to above ground structures. This insurance shall include the interests of Owner, Contractor and Subcontractors all of whom shall be listed as insured or additional insured parties, shall insure against the perils of fire and extended coverage and shall include "all risk" insurance for physical loss and damage including theft, vandalism and malicious mischief, collapse and water damage, and shall include damages, losses and expenses arising out of or resulting from any insured loss or incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers, architects, attorneys and other professionals). If not covered under the "all risk" insurance, Contractor shall purchase and maintain similar property insurance on portions of the Work stored on and off the site or in transit when such portions of the Work are to be included in an Application for Payment.

5.6. Contractor shall purchase and maintain such boiler and machinery insurance or additional property insurance as may be required by Laws and Regulations which will include the interests of Owner, Contractor and Subcontractors all of whom shall be listed as insured or additional insured parties.

Owners Liability Insurance:

5.7. Contractor, at his sole expense, shall purchase Owner's Protective Liability Insurance and provide owner with the original policy. This insurance shall be maintained in full force and effect for the duration of the Contract by Contractor and shall name the Owner as the named Insured. This insurance shall have the following limits:

Each Occurrence	\$1,000,000
General Aggregate	\$1,000,000

This insurance shall protect Owner against any and all claims and liabilities for injury to or death of persons, or damage to property caused in whole or in part by, or alleged to have been caused in whole or in part by, the negligent acts or omissions of Contractor or Subcontractors or any agent, servant, worker or employee of Contractor or Subcontractor arising from the operations or Work for the project.

Notice of Cancellation:

5.8. All of the policies of insurance so required to be purchased and maintained (or the certificates) in accordance with paragraphs 5.3 through 5.7 shall contain a provision or endorsement that the coverage afforded will not be canceled, materially changed or renewal refused until at least thirty (30) days prior written notice has been given to Owner. All such insurance shall remain in effect until final payment and at all times thereafter when Contractor may be correcting, removing or replacing defective Work in accordance with paragraph 13.12. In addition, Contractor shall maintain such completed operations insurance for one year after final payment and furnish Owner with evidence of continuation of such insurance at final payment.

Receipt and Application of Proceeds:

5.9. Any insured loss under the policies of insurance required by paragraphs 5.5 and 5.6 will be adjusted with Owner and made payable to Owner as trustee for the insured, as their interests may appear, subject to the requirements of any applicable mortgage clause and of paragraph 5.12, 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.

5.10. Owner as trustee shall have power to adjust and settle any loss with the insurers unless one of the parties in interest shall object in writing within fifteen days after the occurrence of loss to Owner's exercise of this power. If such objection be made, Owner as trustee shall make settlement with the insurers in accordance with such agreement as the parties in interest may reach. If required in writing by any party in interest, Owner as trustee shall, upon the occurrence of an insured loss, give bond for the proper performance of such duties.

Acceptance of Insurance:

5.11. If Owner has any objection to the coverage afforded by or other provisions of the insurance required to be purchased and maintained by Contractor in accordance with paragraphs 5.3 through 5.7 on the basis of its not complying with the Contract Documents, Owner shall notify Contractor in writing thereof within thirty days of the date of delivery of such certificates to Owner in accordance with paragraph 2.1. Contractor shall provide to Owner such additional information in respect of insurance provided by Contractor as Owner may reasonably request. Failure by Owner to give any such notice of objection within the time provided shall constitute acceptance of such insurance purchased by Contractor as complying with the Contract Documents.

Partial Utilization - Property Insurance:

5.12. If Owner finds it necessary to occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work, such use or occupancy may be accomplished in accordance with paragraph 14.10; provided that no such use or occupancy shall commence before the insurers providing the property insurance have acknowledged notice thereof and in writing effected the 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 lapse on account of any such partial use or occupancy.

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

Supervision and Superintendence:

6.1. Contractor shall supervise 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 others in the design or selection of a specific means, method, technique, sequence or procedure of construction which is indicated in and required by the Contract Documents. Contractor shall be responsible to see that the finished Work complies accurately with the Contract Documents.

6.2. Contractor shall keep on the Work at all times during its progress a competent resident superintendent, 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 the superintendent shall be as binding as if given to Contractor.

Labor, Materials and Equipment:

6.3. Contractor shall provide competent, suitably qualified personnel to perform construction as required by the Contract Documents. Contractor shall at all times maintain good discipline and order at the site. Except in connection with the safety or protection of persons or the Work or property at the site or adjacent thereto, and except as otherwise indicated in the Contract Documents, all Work at the site shall be performed during the allowable working hours as defined in paragraph 2.6.1. Contractor will not permit overtime work or the performance of

Work on Saturday, Sunday or any legal holiday without Engineer's prior consent.

6.4. Unless otherwise specified in the Supplementary Conditions, Contractor shall furnish and assume full responsibility for all 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 furnishing, performance, testing, start-up and completion of the Work.

6.5. All materials and equipment shall be of good quality and new, except as otherwise provided in the Contract Documents. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the kind and quality of materials and equipment. All materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with the instructions of the applicable Supplier except as otherwise provided in the Contract Documents; but no provision of any such instructions will be effective to assign to Engineer any duty or authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraph 9.15 or 9.16.

6.5.1. Salvaged Materials. All materials designated for salvage during the progress of the Work and or specified to be reused in new construction, shall remain the property of the Owner. Salvaged materials shall be delivered and neatly piled at any point within the City Limits which is designated by the Owner or Engineer. Transportation and handling shall be at the Contractor's expense. Salvaged materials will be considered to be in the custody of the Contractor, and he will be held responsible for their care and protection and must cover any losses resulting from damage, theft, or misappropriation while they remain on the job site or while en route to the place of storage.

6.5.2. Storage of Materials. All materials delivered to and stored on the project site shall be neatly placed to minimize obstruction and allow for convenient inspection. No materials or equipment shall be stored within five (5) feet of fire hydrants or trees which are to be protected. All fire hydrants shall remain readily accessible to the Fire Department throughout the project unless otherwise approved by the Owner.

Adjusting Progress Schedule:

6.6. Contractor shall submit to Engineer for acceptance as defined in paragraph 2.6.1, any adjustments in the progress schedule to reflect the impact thereon of new developments; these will conform generally to the progress schedule then in effect and additionally will comply with any other provisions of the Contract Documents applicable thereto.

Substitutes of "Or-Equal" Items:

6.7.1. Whenever materials or equipment are specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the naming of the item is intended to establish the type, function and quality required. Unless the name is followed by words indicating that no substitution is permitted, materials or equipment of other Suppliers may be accepted by Engineer if sufficient information is submitted by Contractor to allow Engineer to determine that the material or equipment proposed is equivalent or equal to that named. The procedure for review by Engineer will include the following. Requests for review of substitute items of material and equipment will not be accepted by Engineer from anyone other than Contractor. If Contractor wishes to furnish or use a substitute item of material or equipment, Contractor shall make written application to Engineer for acceptance thereof, certifying that the proposed substitute will perform adequately the functions and achieve the results called for by the general design, be similar and of equal substance to that specified and be suited to the same use as that specified. All variations of the proposed substitute from that specified will be identified in the application and available maintenance, repair and replacement service will be indicated. The application will also contain an itemized estimate of all costs that will result directly or indirectly from acceptance of such substitute, including costs of redesign and claims of other contractors affected by the resulting change, all of which shall be considered by Engineer in evaluating the proposed substitute. Engineer may require Contractor to furnish at Contractor's expense additional data about the proposed substitute.

6.7.2. If a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, sequence, technique or procedure of construction acceptable to Engineer, if Contractor submits sufficient information to allow Engineer to determine that the substitute proposed is equivalent to that indicated or required by the Contract Documents. The procedure for review by Engineer will be similar to that provided in paragraph 6.7.1. as applied by Engineer.

6.7.3. Engineer will be allowed a reasonable time within which to evaluate each proposed substitute. Engineer will be the sole judge of acceptability, and no substitute will be ordered, installed or utilized without Engineer's prior written acceptance which will be evidenced by either a Change Order or an approved Shop Drawing.

Concerning Subcontractors, Suppliers and Others:

6.8.1. Contractor shall not employ any Subcontractor, Supplier or other person or organization (including those acceptable to Owner and Engineer as indicated in paragraph 6.8.2), whether initially or as a substitute, against whom Owner or Engineer may have reasonable objection. Contractor shall have the ability to substitute a Subcontractor which is not adequately performing Work provided the Owner and Engineer consent to the substitution. Further, Contractor shall not be entitled to an increase in Contract Time or Contract Price for substitution of a Subcontractor. Contractor shall not employ any Subcontractor who does not possess the licenses necessary to furnish the Work or who is on the Owner's "List of Suspended Contractors" at the date of the Opening of Bids. Contractor shall not be required to employ any Subcontractor, Supplier or other person or organization to furnish or perform any of the Work against whom Contractor has reasonable objection.

6.8.2. If the Owner requests the identity of certain Subcontractors, Suppliers or other persons or organizations (including those who are to furnish the principal items of materials and equipment) to be submitted to Owner in advance of the specified date prior to the Effective Date of the Agreement for acceptance by Owner and Engineer and if Contractor has submitted a list thereof in accordance with said request, Owner's or Engineer'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 person or organization so identified may be revoked on the basis of reasonable objection after due investigation, in which case Contractor shall submit an acceptable substitute. No acceptance by Owner or Engineer of any such Subcontractor, Supplier or other person or organization shall constitute a waiver of any right of Owner or Engineer to reject defective Work.

6.8.3. The total amount of the work performed by Subcontractors shall not exceed seventy (70) percent of the total Contract Price as determined based on the units of work to be performed by Subcontractors at the actual unit prices contained in the Agreement. The determination of the amount of work to be performed by the Subcontractors shall be made at the time of bid evaluation and award. For the purposes of this paragraph 6.8.3, "work" shall include all services, labor, equipment and materials associated with each specific item of the contract. The purchase of materials by the Contractor for use by Subcontractors in completing the project shall not be credited toward the amount of work performed by the Contractor. If Engineer has reason to believe that any unit price contained in the agreement does not represent a reasonable price for the Work involved with the specific item, Contractor shall furnish full documentation of the unit price(s) determination in accordance with the provisions of paragraphs 11.4, 11.5 and 11.6. If deemed necessary by the Engineer, the unit price shall be adjusted, the purposes of determining subcontractor participation only, based on a determination of costs in accordance with paragraphs 11.4, 11.5 and 11.6. If specific units of Work involve more than one Subcontractor, Contractor shall provide documentation which enables Engineer to determine the portion of the unit price attributable to each Subcontractor. If it is determined during the course of the Work that the aggregate amount of the work being performed by subcontractors exceeds seventy (70) percent of the Contract Price, Contractor shall take appropriate actions to comply with the requirements of this paragraph 6.8.3.

6.9. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of the Subcontractors, Suppliers and other persons and organizations performing or furnishing any of the Work under a direct or indirect contract with Contractor just as contractor is responsible for Contractor's own acts and omissions. Nothing in the Contract Documents shall create any contractual relationship between Owner or Engineer and any such Subcontractor, Supplier or other person or organization, nor shall it create any obligation on the part of Owner or Engineer to pay or to see to the payment of any monies due any such Subcontractor, Supplier or other person or organization except as may otherwise be required by Laws and Regulations.

6.10. 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.

6.11. All Work performed for Contractor by a Subcontractor will be pursuant to an appropriate agreement between Contractor and the Subcontractor which specifically binds the Subcontractor to the applicable terms and conditions of the Contract Documents for the benefit of Owner and Engineer. Contractor shall pay each Subcontractor a just share of any insurance moneys received by Contractor on account of losses under policies issued pursuant to paragraphs 5.5 and 5.6.

Patent Fees and Royalties:

6.12. 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. Contractor shall indemnify and hold harmless Owner and Engineer and anyone directly or indirectly employed by either of them from and against all claims, damages, losses and expenses (including attorney's fees and court costs) arising out of 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, and shall defend all such claims in connection with any alleged infringement of such rights.

Licenses and Permits:

6.13.1. Contractor shall obtain and keep in effect all licenses necessary for furnishing and performance of the Work. Contractor shall furnish Owner with a copy of all required licenses.

6.13.2. Unless otherwise provided in the Supplementary Conditions, Contractor shall obtain and pay for all other construction permits and licenses specifically including all permits required for work in highways, railroads and regulation of other governmental agencies. 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.

Laws and Regulations:

6.14.1. Contractor shall give all notices and comply with all Laws and Regulations applicable to furnishing and 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. Specifically, the Contractor shall observe all applicable provisions of K.S.A. 44-201 and any amendments thereto in effect as of the Effective Date of Agreement.

6.14.2. If Contractor observes that the Specifications or Drawings are at variance with any Laws or Regulations, Contractor shall give Engineer prompt written notice thereof, and any necessary changes will be authorized by one of the methods indicated in

paragraph 3.4. If Contractor performs any Work knowing or having reason to know that it is contrary to such Laws or Regulations, and without such notice to Engineer, Contractor shall bear all costs arising therefrom; however, it shall not be Contractor's primary responsibility to make certain that the Specifications and Drawings are in accordance with such Laws and Regulations.

Taxes:

6.15. For all projects, payment of the Kansas State Sales Tax or Compensating Tax is not required. The City of Topeka will furnish an exemption certificate (including exemption certificate number) obtained from the Sales and Compensating Tax Division, of the Department of Revenue of the State of Kansas to the Contractor, Subcontractor or repairman making purchases of any tangible personal property to be incorporated in this project. The Contractor, Subcontractor or repairman must furnish all suppliers with a copy of the properly executed exemption certificate secured for this project. He may reproduce as many copies of the certificate as he may need.

Use of Premises:

6.16. Contractor shall confine construction equipment, the storage of materials and equipment and the operations of workers to the Project site and land and areas identified in and permitted by the Contract Documents and other land and areas permitted by Laws and Regulations, rights-of-way, permits and easements, and shall not unreasonably encumber the premises 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 land or areas contiguous thereto, resulting from the performance of the Work. Should any claim be made against Owner or Engineer by any such owner or occupant because of the performance of the work, Contractor shall promptly attempt to settle with such other party by agreement or otherwise resolve the claim at law. Contractor shall, to the fullest extent permitted by Laws and Regulations, indemnify and hold Owner and Engineer harmless from and against all claims, damages, losses and expenses (including, but not limited to, fees of engineers, architects, attorneys and other professionals and court costs) arising directly indirectly or consequentially out of any action, legal or equitable, brought by any such other party against Owner or Engineer to the extent based on a claim arising out of Contractor's performance of the Work.

6.17. During the progress of the Work, Contractor shall keep the premises free from accumulations of waste materials, rubbish and other debris resulting from the Work. At the completion of the Work, Contractor shall remove all waste materials, rubbish and debris from and about the premises as well as all tools, appliances, construction equipment and machinery, and surplus materials, and shall leave the site clean and ready for occupancy by Owner. Contractor shall restore to original condition all property not designated for alteration by the Contract Documents

6.18. 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.

Documents On-Site:

6.19. Contractor shall maintain in a safe place at the site one record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders and written interpretations and clarifications (issued pursuant to paragraph 9.4) in good order. These documents together with all approved samples and a counterpart of all approved Shop Drawings will be available to Engineer for reference.

Safety and Protection:

6.20. Contractor shall be 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:

6.20.1. All employees on the Work and other persons and organizations who may be affected thereby;

6.20.2. All the Work and materials and equipment to be incorporated therein, whether in storage on or off the site; and

6.20.3. 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.

Contractor shall comply with all applicable Laws and Regulations of any public body having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss; and shall erect and maintain all necessary safeguards for such safety and protection. All damage, injury or loss to any property referred to in paragraph 6.20.2 or 6.20.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier or any other person or organization directly or indirectly employed by any of them to perform or furnish 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 Design Engineer or anyone employed by either of them or anyone for whose acts either of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor). Contractor's duties and responsibilities for the safety and 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 14.13 that the Work is acceptable (except as otherwise expressly provided in connection with Substantial Completion).

6.21. Contractor shall designate a responsible representative at the site whose duty shall be the prevention of accidents. This person shall be Contractor's superintendent unless otherwise designated in writing by Contractor to Owner.

Emergencies:

6.22. In emergencies affecting the safety or protection of persons or the Work or property at the site or adjacent thereto, Contractor, without special instruction or authorization from Engineer or Owner, 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. If Engineer determines that a change in the Contract Documents is required because of the action taken in response to an emergency, a Work Change Directive or Change Order will be issued to document the consequences of the changes or variations.

Shop Drawings and Samples:

6.23. After checking and verifying all field measurements, Contractor shall submit to Engineer for review and approval in accordance with the accepted schedule of Shop Drawing submissions (see paragraph 2.6.2), or for other appropriate action if so indicated in the Supplementary Conditions, five copies (unless otherwise specified) of all Shop Drawings, which will bear a stamp or specific written indication that Contractor has satisfied Contractor's responsibilities under the Contract Documents with respect to the review of the submission. All submissions will be identified as Engineer may require. 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 enable Engineer to review the information as required.

6.24. Contractor shall also submit to Engineer for review and approval with such promptness as to cause no delay in Work, all samples required by the Contract Documents. All samples will be identified clearly as to material, Supplier, pertinent data such as catalog numbers and the use for which intended.

6.25.1. Before submission of each Shop Drawing or sample Contractor shall have determined and verified all quantities, dimensions, specified performance criteria, installation requirements, materials, catalog numbers and similar data with respect thereto and reviewed or coordinated each Shop Drawing or sample with other Shop Drawings and samples and with the requirements of the Work and the Contract Documents.

6.25.2. At the time of each submission, Contractor shall give Engineer specific written notice of each variation that the Shop Drawings or samples may have from the requirements of the Contract Documents, and, in addition, shall cause a specific notation to be made on each Shop Drawing submitted to Engineer for review and approval of each such variation.

6.26. Engineer will review and approve with reasonable promptness Shop Drawings and samples, but Engineer's review and approval will be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents and shall not extend to means, methods, techniques, sequences or procedures of construction (except where a specific means, method, technique, sequence or procedure of construction is indicated in or required 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. 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.

6.27. 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 submission as required by paragraph 6.25.2 and Engineer has given written approval of each such variation by a 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 errors or omissions in the Shop Drawings or from responsibility for having complied with the provisions of paragraph 6.25.1.

6.28. Where a Shop Drawing or sample is required by the Specifications, any related Work performed prior to Engineer's review and approval of the pertinent submission will be the sole expense and responsibility of Contractor.

Continuing the Work:

6.29. 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 15.5 or as Contractor and Owner may otherwise agree in writing.

Indemnification:

6.30. To the fullest extent permitted by Laws and Regulations Contractor shall indemnify and hold harmless Owner and Engineer and their consultants, agents and employees from and against all claims, damages, losses and expenses, direct, indirect or consequential (including but not limited to fees and charges of engineers, architects, attorneys and other professionals and court costs) arising out of or resulting from the performance of the Work, provided that any such claim, damage, loss or expense (a) 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 (b) is caused in whole or in part by any negligent act or omission of Contractor, any Subcontractor, any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder or arises by or is imposed by Law and Regulations regardless of the negligence of any such party.

6.31. In any and all claims against Owner or Engineer or any of their consultants, agents or employees by any employee of Contractor, any Subcontractor, any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, the indemnification obligation under paragraph 6.30 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 or other person or organization under workers' or workmen's compensation acts, disability benefit acts or other employee benefit acts.

6.32. The obligations of Contractor under paragraph 6.30 shall not extend to the liability of Engineer, Engineer's consultants, agents or employees arising out of the preparation or approval of maps, drawings, opinions, reports, surveys, Change Orders, design or specifications.

Coordination with Utilities.

6.33. The Contractor shall notify in writing responsible representatives of public utilities, railroads, or any other facilities or property that will be affected by his operations. Such notice shall be given in a timely manner before beginning work. The Contractor shall thereafter coordinate his work with the work necessary to protect or relocate such utilities, property or facilities, and cooperate to the fullest extent to avoid damage or service interruptions. For obtaining underground utility locations, the Contractor shall utilize the Kansas One-Call service or other appropriate entity

Public Convenience.

6.34. The Contractor shall notify owners of adjacent property and cooperate with them in the protection of their property. Access to driveways, houses and buildings, and temporary approaches and crossings of streets and sidewalks shall be provided, unless otherwise directed by the Engineer, and kept in good condition.

Traffic Control.

6.35. The Contractor shall comply with all pertinent requirements set forth in the drawing "Typical Traffic Control Through Construction Areas", of the Contract Documents, and as directed by the Engineer. The Contractor shall obtain approval of traffic control devices and methods from the City of Topeka Traffic Engineer at least three (3) days prior to beginning work. All barricades, signs, lights and traffic control devices of any nature shall conform with current requirements of the "Manual on Uniform Traffic Control Devices for Streets and Highways."

Emergency Project Identification:

6.36. The Contractor, at the discretion of the Engineer, shall erect in a prominent place on the project a legible sign printed in letters and figures not less than three (3) inches high, showing the name of the Contractor, his Topeka address, and the phone numbers of responsible personnel for day or night emergency contact.

Relations Between Contractor and Labor:

6.37. The Contractor and any Subcontractors shall take ~~affirmative~~ action to insure that employees are treated without regard to their race, religion, creed, color, sex, physical handicaps (which is unrelated to the ability to perform a particular job or occupation), national origin, ancestry or age. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruiting or recruitment, advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The Contractor and any Subcontractors shall agree to post, in a conspicuous place available to employees and applicants for employment, notices to be provided by the Contracts and Procurement Division-Contract Compliance setting forth the provisions of this paragraph.

The Contractor or any Subcontractor shall provide all Affirmative Action Information including an Affirmative Action Program, weekly payroll schedules, and other documentation as may be specified in this Project Manual, necessary to implement the construction compliance requirements of the United States Government and ordinances of the City of Topeka, Kansas. It shall be no excuse that the employer has a collective bargaining agreement with any union providing for exclusive referral or approval systems that such Affirmative Action Information was not provided.

The failure of the Contractor or any Subcontractor to comply with non-discrimination requirements of this Specification shall be grounds for cancellation, termination or suspension of the Contract in whole or in part by the Owner and the Contractor or Subcontractor may be declared ineligible for further Contracts with the Owner until satisfactory proof of intent to comply shall be accepted by the Owner.

Wage Rates:

6.38. The wage rate for employees of a Contractor or Subcontractor shall not be less than the minimum wage prescribed by federal or state law unless higher compensation is required by federal or state law.

Sanitary Conveniences:

6.39. The Contractor shall provide all necessary privy accommodations for the use of his employees and shall maintain the same in a clean and sanitary condition. He shall not create or permit any nuisance to the public or to residents in the vicinity of the work.

ARTICLE 7 - OTHER WORK

Related Work at Site:

7.1. Owner may perform other work related to the Project at the site by Owner's own forces, have other work performed by utility owners or let other direct contracts therefor which may contain General Conditions similar to these. If the fact that such other work is to be performed was not noted in the Supplementary Conditions, written notice thereof will be given to Contractor prior to starting any such other work; and, if Contractor believes that such performance will involve additional expense to Contractor or requires additional time and the parties are unable to agree as to the extent thereof, Contractor may make a claim therefor as provided in Articles 11 and 12. If the Work of others is identified in the Supplementary Conditions or elsewhere in the Contract Documents, coordination with said Work shall be considered a requirement of this project and as such Contractor shall not be entitled to an extension of Contract Time or Price for coordination with the Work of others.

7.2. Contractor shall afford each utility owner and other Contractor who is a party to such a direct contract (or Owner, if Owner is performing the additional 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 work, and shall properly connect and coordinate the Work with theirs. Contractor shall do all cutting, fitting and patching of the Work that may be required to make its several parts come together properly and 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.

7.3. If any part of Contractor's Work depends for proper execution or results upon the work of any such other contractor or utility owner (or Owner), Contractor shall inspect and promptly report to Engineer in writing any delays, defects or deficiencies in such work that render it unavailable or unsuitable for such proper execution and results. Contractor's failure so to report will constitute an acceptance of the other work as fit and proper for integration with Contractor's Work except for latent or non-apparent defects and deficiencies in the other work.

Coordination:

7.4. If Owner contracts with others for the performance of other work on the Project at the site, the person or organization who will have authority and responsibility for coordination of the activities among the various prime contractors will be identified in the Supplementary Conditions, and the specific matters to be covered by such authority and responsibility will be itemized, and the extent of such authority and responsibilities will be provided, in the Supplementary Conditions. Unless otherwise provided in the Supplementary Conditions, neither Owner nor Engineer shall have any authority or responsibility in respect of such coordination.

ARTICLE 8 - OWNER'S RESPONSIBILITIES

8.1. Owner shall issue all communications to Contractor through Engineer.

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

8.3. Owner shall furnish the data required of Owner under the Contract Documents promptly and shall make payments to Contractor promptly after they are due as provided in paragraphs 14.4 and 14.13.

8.4. Owner's duties in respect of providing lands and easements and providing engineering surveys to establish reference points are set forth in paragraphs 4.1, 4.4 and 4.5. Paragraph 4.2 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of subsurface conditions at the site and in existing structures which have been utilized by Design Engineer in preparing the Drawings and Specifications.

8.5. Owner is obligated to execute Change Orders as indicated in paragraph 10.4.

8.6. Owner's responsibility in respect of certain inspections, tests and approvals is set forth in paragraph 13.4.

8.7. In connection with Owner's right to stop Work or suspend Work, see paragraphs 13.10 and 15.1. Paragraph 15.2 deals with Owner's right to terminate services of Contractor under certain circumstances.

ARTICLE 9 - ENGINEER'S STATUS DURING CONSTRUCTION

Owner's Representative:

9.1. Engineer will be Owner's representative during the construction period. The Engineer for these purposes may be either the Design Engineer or the City Engineer as designated in the Agreement. 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 shall not be extended without written consent of Owner and Engineer.

Visits to Site:

9.2. Engineer will make visits to the site at intervals appropriate to the various stages of construction to observe the progress and quality of the executed Work and to determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not make exhaustive or continuous on-site inspections 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 to the Contract Documents.

Project Representation:

9.3. Engineer will furnish a Project Representative to assist Engineer in observing the performance of the Work. The Project Representative may be required by Engineer or Owner to provide full-time observation of the Work. The Project Representative is Engineer's Agent, will act as directed by and under the supervision of Engineer, and will confer with Engineer regarding his actions. The Project Representative's dealings in matters pertaining to the on-site Work shall in general be only with Engineer and Contractor, and dealings with subcontractors shall only be through or with the full knowledge of Contractor. Written communication with Owner will be only through or as directed by Engineer.

9.3.1 The Project Representative will:

- (1) Serve as Engineer's liaison with Contractor, working principally through Contractor's superintendent and assisting him in understanding the intent of the Contract Documents and assist Engineer in serving as Owner's liaison with Contractor when Contractor's operations affect Owner's on-site operations.
- (2) As requested by Engineer, assist in obtaining from Owner additional details or information, when required at the job site for proper execution of the Work.
- (3) Conduct on-site observations and testing of the Work in progress to assist Engineer in determining if the Work is proceeding in accordance with the Contract Documents and that completed Work will conform to the Contract Documents.
- (4) Be responsible for the maintenance of record documents showing changes made during construction.

9.3.2 The duties and responsibilities and the authority of the Project Representative as Engineer's Agent during construction shall not exceed in any case those of the Engineer as Owner's representative during construction. Except on written instructions of Engineer, the Project Representative may not authorize any deviation from the Contract Documents or approve any substitute materials or equipment.

9.3.3 Specifically omitted from the Project Representative's duties are any review of the Contractor's safety precautions, or the means, methods, sequences or procedures required for the Contractor to perform the work but not relating to the final or completed Project. Omitted design or review services include, but are not limited to, shoring, scaffolding, underpinning, temporary retainment, excavations, and any erection methods and temporary bracing.

Clarifications and Interpretations:

9.4. Engineer will issue with reasonable promptness such written clarifications or interpretations of the requirements of the Contract Documents (in the form of Drawings or otherwise) as Engineer may determine necessary, which shall be consistent with or reasonably inferable from the overall intent of the Contract Documents. If Contractor believes that a written clarification or interpretation justifies an increase in the Contract Price or an extension of the Contract Time and the parties are unable to agree to the amount or extent thereof, Contractor may make a claim therefor as provided in Article 11 or Article 12.

Authorized Variations in Work:

9.5. 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 Time and are consistent with the overall intent of 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. A Field Order may authorize a change in the Work which results in a minor change in the quantity of specific unit price items included in the Agreement. If Contractor believes that a Field Order justifies an increase in the Contract Price, other than minor variations in quantities for Unit Price items, or an extension of the Contract Time and the parties are unable to agree as to the amount or extent thereof, Contractor may make a claim therefor as provided in Article 11 or 12.

Rejecting Defective Work:

9.6. Engineer will have authority to disapprove or reject Work which Engineer believes to be defective, and will also have authority to require special inspection or testing of the Work as provided in paragraph 13.9, whether or not the Work is fabricated, installed or completed.

Shop Drawings, Change Orders and Payments:

9.7. In connection with Engineer's responsibility for Shop Drawings and samples, see paragraphs 6.23 through 6.28 inclusive.

9.8. In connection with Engineer's responsibilities as to Change Orders, see Articles 10, 11 and 12.

9.9. In connection with Engineer's responsibilities in respect of Applications for Payment, etc., see Article 14.

Determinations of Quantities:

9.10. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer written decisions thereon will be final and binding upon Owner and Contractor, unless, within ten days after the date of any such decision, either Owner or Contractor delivers to the other party to the Agreement and to Engineer written notice of intention to appeal from such a decision.

Decisions on Disputes:

9.11. 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 or the interpretation of the requirements of the Contract Documents pertaining to the performance and furnishing of the Work and claims under Articles 11 and 12 in respect of changes in the Contract Price or Contract Time will be referred initially to Engineer in writing with a request for a formal decision in accordance with this paragraph, which Engineer will render in writing within a reasonable time. Written notice of each such claim, dispute and other matter will be delivered by the claimant to Engineer and the other party

to the Agreement promptly (but in no event later than fifteen days) after the occurrence of the event or after the end of the period of events giving rise thereto, and written supporting data will be submitted to Engineer and the other party within thirty days after such occurrence unless Engineer allows an additional period of time to ascertain more accurate data in support of the claim.

9.12. When functioning as interpreter and judge under paragraphs 9.10 and 9.11, 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 paragraphs 9.10 and 9.11 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 14.16) 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.

Limitations on Engineer's Responsibilities:

9.13. Neither Engineer's authority to act under this Article 9 or elsewhere in the Contract Documents nor any decision made by Engineer in good faith either to exercise or not exercise such authority shall give rise to any duty or responsibility of Engineer to Contractor, any Subcontractor, any Supplier, or any other person or organization performing any of the Work, or to any surety for any of them.

9.14. Whenever in the Contract Documents the terms "as ordered", "as directed", "as required", "as allowed", "as approved" or terms of like effect or import are used, or the adjectives "reasonable", "suitable", "acceptable", "proper" or "satisfactory" or adjectives of like effect or import are used to describe a requirement, direction, review or judgment of Engineer as to the Work, it is intended that such requirement, direction, review or judgment will be solely to evaluate the Work for compliance with 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 furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraph 9.15 or 9.16.

9.15. Engineer will not be responsible for Contractor's means, methods, techniques, sequences or procedures of construction, or the safety precautions and programs incident thereto, and Engineer will not be responsible for Contractor's failure to perform or furnish the Work in accordance with the Contract Documents.

9.16. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other person or organization performing or furnishing any of the Work.

ARTICLE 10 - CHANGES IN THE WORK

10.1. 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; these will be authorized by a Change Order, or a Work Change Directive. Upon receipt of any such document, Contractor shall promptly proceed with the Work involved which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).

10.2. If Owner and Contractor are unable to agree as to the extent, if any, of an increase or decrease in the Contract Price or an extension or shortening of the Contract Time that should be allowed as a result of a Work Change Directive, a claim may be made therefor as provided in Article 11 or Article 12.

10.3. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Time with respect to any Work performed that is not required by the Contract Documents as amended, modified and supplemented as provided in paragraphs 3.4 and 3.5, except in the case of an emergency as provided in paragraph 6.22 and except in the case of uncovering Work as provided in paragraph 13.9.

10.4. Owner and Contractor shall execute appropriate Change Orders covering:

10.4.1. Changes in the Work which are ordered by Owner pursuant to paragraph 10.1, are required because of acceptance of defective Work under paragraph 13.13 or correcting defective Work under paragraph 13.14, or are agreed to by the parties;

10.4.2. Changes in the Contract Price or Contract Time which are agreed to by the parties; and

10.4.3. Changes in the Contract Price or Contract Time which embody the substance of any written decision rendered by Engineer pursuant to paragraph 9.11; 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 6.29.

10.5. 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 Time) 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, and the amount of each applicable Bond will be adjusted accordingly.

ARTICLE 11 - CHANGE OF CONTRACT PRICE

11.1. The Contract Price constitutes the total compensation (subject to authorized adjustments) payable to Contractor for performing the Work. All duties, responsibilities and obligations assigned to or undertaken by Contractor shall be at his expense without change in the Contract Price.

11.2. The Contract Price may only be changed by a Change Order. Any claim for an increase or decrease in the Contract Price shall be based on written notice delivered by the party making the claim to the other party and to Engineer promptly (but in no event later than fifteen days) after the occurrence of the event giving rise to the claim and stating the general nature of the claim. Notice of the amount of the claim with supporting data shall be delivered within thirty days after such occurrence (unless Engineer allows an additional period of time to ascertain more accurate data in support of the claim) and shall be accompanied by claimant's written statement that the amount claimed covers all known amounts (direct, indirect and consequential) to which the claimant is entitled as a result of the occurrence of said event. All claims for adjustment in the Contract Price shall be determined by Engineer in accordance with paragraph 9.11 if Owner and Contractor cannot otherwise agree on the amount involved. Failure to submit a claim for an adjustment in the Contract Price in accordance with this paragraph 11.2. will invalidate said claim.

11.3. The value of any Work covered by a Change Order or of any claim for an increase or decrease in the Contract Price shall be determined in one of the following ways:

11.3.1. Where the Work involved is covered by unit prices contained in the Contract Documents, by application of unit prices to the quantities of the items involved (subject to the provisions of paragraphs 11.9.1 through 11.9.3, inclusive).

11.3.2. By mutual acceptance of a lump sum (which may include an allowance for overhead and profit not necessarily in accordance with paragraph 11.6.2.1.)

11.3.3. On the basis of the cost of the Work or a Force Account (determined as provided in paragraphs 11.4 and 11.5) plus a Contractor's Fee for overhead and profit (determined as provided in paragraphs 11.6 and 11.7)

Cost of the Work:

11.4. 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. 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 11.5.

11.4.1. 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. 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' or workmen's compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay applicable thereto. Such employees shall include superintendents and foremen at the site. The expenses of performing Work after regular working hours, on Saturday, Sunday or legal holidays, shall be included in the above to the extent authorized by Owner.

11.4.2. 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 all returns from sale of surplus materials and equipment shall accrue to Owner, and Contractor shall make provisions so that they may be obtained.

11.4.3. Payments made by Contractor to the Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from Subcontractors acceptable to Contractor and shall deliver such bids to Owner who will then determine, with the advice of Engineer, which bids will be accepted. If a 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 shall be determined in the same manner as Contractor's Cost of the Work. All subcontracts shall be subject to the other provisions of the Contract Documents insofar as applicable.

11.4.4. 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.

11.4.5. Supplemental costs including the following:

11.4.5.1. The proportion of necessary transportation, travel and subsistence expenses of Contractor's employees incurred in discharge of duties connected with the Work.

11.4.5.2. 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.

11.4.5.3. 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, installation, dismantling and removal thereof, all in accordance with 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. Equipment/machinery costs shall be apportioned to the actual time the equipment/machinery is in operation to perform the work. Down time or standby time shall not be charged to the Owner by the Contractor.

11.4.5.4. Any applicable taxes related to the Work, and for which Contractor is liable, imposed by Laws and Regulations.

11.4.5.5. The cost of utilities, fuel and sanitary facilities at the site.

11.4.5.6. 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.

11.4.5.7. Cost of premiums for additional Bonds and insurance required because of changes in the Work.

11.5. The term Cost of the Work shall not include any of the following:

11.5.1. Payroll costs and other compensation of Contractor's officers, executives, principals (of partnership and sole proprietorships), general manager, 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 a branch office for general administration of the work and not specifically included in the agreed upon schedule of job classifications referred to in paragraph 11.4.1 or specifically covered by paragraph 11.4.4 - all of which are to be considered administrative costs covered by the Contractor's Overhead and Fee.

11.5.2. Expenses of Contractor's principal and branch offices other than Contractor's office at the site.

11.5.3. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.

11.5.4. Cost of premiums for all Bonds and for all insurance whether or not Contractor is required by the Contract Documents to purchase and maintain the same (except for the cost of premiums covered by sub-paragraph 11.4.5.7 above).

11.5.5. 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.

11.5.6. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in paragraph 11.4.

Contractor's Fee:

11.6. The Contractor's Fee allowed to Contractor for overhead and profit shall be determined as follows:

11.6.1. A mutually acceptable fixed fee; or if none can be agreed upon,

11.6.2. A fee based on the following percentages of the various portions of the cost of the Work:

11.6.2.1. For costs incurred under paragraphs 11.4.1 and 11.4.2, the Contractor's Fee shall be fifteen percent;

11.6.2.2. For costs incurred under paragraphs 11.4.3 and 11.4.4 the Contractor's Fee shall be five percent; and if a subcontract is on the basis of Cost of the Work Plus a fee, the subcontractor fee for overhead and profit shall be fifteen percent;

11.6.2.3. No fee shall be payable on the basis of costs itemized under paragraph 11.4.5;

11.6.2.4. The amount of credit to be allowed by Contractor to Owner for any such change which results in a net decrease in cost will be the amount of the actual net decrease plus a deduction in Contractor's Fee by an amount equal to ten percent of the net decrease; and

11.6.2.5. 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 11.6.2.1 through 11.6.2.4, inclusive.

Force Account Work:

11.7. Whenever a change in the Work and Contract Price are authorized to be done on the basis of a Force Account, the cost of said Work shall be paid for pursuant to the requirements of paragraphs 11.4 through 11.6 and this paragraph 11.7. The Contractor and the Engineer or his designated Project Representative shall compare and agree on all records for labor, material and equipment furnished on a daily basis. All applications for payment of Force Account Work shall be accompanied by fully documented and itemized breakdowns of all types of costs incurred together with supporting data. Supporting data shall include copies of all invoices for actual materials incorporated in the Work, equipment rentals, subcontractor itemized invoices, etc.

Cash Allowances:

11.8. 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 done by such Subcontractors or Suppliers and for such sums within the limit of the allowances as may be acceptable to Engineer. Contractor agrees that:

11.8.1. 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

11.8.2. 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. No demand for additional payment on account of any thereof will be valid.

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.

Unit Price Work:

11.9.1. 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 established unit prices 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 in accordance with

Paragraph 9.10.

11.9.2. 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.

11.9.3. The unit price of an item of Unit Price Work shall be subject to reevaluation and adjustment if the total cost of a particular item of Unit Price Work amounts to five percent (5%) or more of the Contract Price based on the original bid and the variation in the quantity of that particular item of Unit Price Work performed by Contractor differs by more than twenty percent (20%) from the bid quantity of such item indicated in the Agreement unless otherwise specified in the Supplementary Conditions. Contractor may make a claim for an increase in the Contract Price in accordance with Article 11 if the parties are unable to agree as to the amount of any such increase.

ARTICLE 12 - CHANGE OF CONTRACT TIME

12.1 The Contract Time may only be changed by a Change Order or a Written Amendment. Any claim for an extension or shortening of the Contract Time shall be based on written notice delivered by the party making the claim to the other party and to Engineer promptly (but in no event later than fifteen days) after the occurrence of the event or after the end of the period of events giving rise to the claim and stating the general nature of the claim. Notice of the extent of the claim with supporting data shall be delivered within thirty days after such occurrence (unless Engineer allows an additional period of time to ascertain more accurate data in support of the claim). All claims for adjustment in the Contract Time shall be determined by Engineer in accordance with paragraph 9.11 if Owner and Contractor cannot otherwise agree. Failure to submit a claim for an adjustment in the Contract Time in accordance with the requirements of this paragraph 12.1. will invalidate said claim.

12.2 The Contract Time will be extended in an amount equal to time lost due to delays beyond the control of Contractor if a claim is made therefor as provided in this Article 12. Such delays shall include, but not be limited to, acts or neglect by Owner or others performing additional work as contemplated by Article 7, or to fires, floods, labor disputes not the fault of the Contractor, coordination with the work of others, abnormal weather conditions, acts of God, and delays caused by subcontractors and suppliers if the delays are beyond the control of the subcontractor or supplier.

12.2.1. Inclement weather shall be defined as precipitation and/or temperature conditions which prevent substantial work on the project for more than 50% of the full number of hours in the normal daily schedule as determined by the Engineer. Abnormal weather shall be defined as inclement weather in excess or variation of the normal monthly averages for the specific type of inclement weather condition. Requests for an extension of contract time due to abnormal weather conditions will be considered by the Engineer, subject to the following requirements:

(1) Any individual request shall cover a minimum of one full calendar month or portion thereof if at the beginning or ending of the project time. Requests shall be submitted no more frequently than monthly.

(2) Each request shall fully document the specific date and nature of each inclement weather day in the period for which the request is made.

(3) Each request shall document the normal monthly average number of days for inclement weather conditions being considered based on the following table:

<u>Month</u>	<u>Normal monthly average Inclement weather days</u>
January	8
February	7
March	7
April	6
May	4
June	4
July	4
August	4
September	5
October	6
November	7
December	7

(4) Each request shall document the number of normal schedule days (weekdays) in the period during which substantial work could have proceeded, but did not at Contractor's choice.

(5) Each request shall document the number of non-normal schedule days (Saturdays, Sundays and holidays, unless otherwise authorized by the Engineer) in the period during which inclement weather defined in (2) above occurred.

(6) The determination of the number of extension days due to abnormal weather shall be made based on the number of inclement weather days determined in (2) above less the number of days determined in (3), (4) and (5) above.

12.3. All time limits stated in the Contract Documents are of the essence of the Agreement. The provisions of this Article 12 shall not exclude recovery for damages (including but not limited to fees and charges of engineers, architects, attorneys and other professionals and court costs) for delay by either party.

Computation of Time:

12.4.1. 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.

12.4.2. A calendar day of twenty-four hours measured from midnight to the next midnight shall constitute a day.

ARTICLE 13 - WARRANTY AND GUARANTEE; TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

Warranty and Guarantee:

13.1. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Prompt notice of all defects shall be given to Contractor. All defective Work, whether or not in place, may be rejected, corrected or accepted as provided in this Article 13.

Access to Work:

13.2. Engineer and Engineer's representatives, other representatives of Owner, testing agencies and governmental agencies with jurisdictional interests will have access to the Work at all reasonable times for their observation, inspecting and testing. Contractor shall provide proper and safe conditions for such access.

Tests and Inspections:

13.3. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections, tests or approvals.

13.4. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) to specifically be inspected, tested or approved, Contractor shall assume full responsibility therefore, pay all costs in connection therewith and furnish Engineer the required certificates of inspection, testing or approval. Contractor shall also be responsible for and shall pay all costs in connection with any inspection or testing required in connection with Owner's or Engineer's acceptance of a Supplier of materials or equipment proposed to be incorporated in the Work, or of materials or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work. The cost of all inspections, tests and approvals in addition to the above which are required by the Contract Documents shall be paid by Owner (unless otherwise specified).

13.5. All inspections, tests or approvals other than those required by Laws or Regulations of any public body having jurisdiction shall be performed by organizations acceptable to Owner and Contractor (or by Engineer if so specified).

13.6. If any Work (including the work of others) that is to be inspected, tested or approved is covered without written concurrence of Engineer, it must, if requested by Engineer, be uncovered for observation. Such uncovering 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.

13.7. Neither observations by Engineer nor inspections, tests or approvals by others shall relieve Contractor from Contractor's obligations to perform the Work in accordance with the Contract Documents.

Uncovering Work:

13.8. If any Work is covered contrary to the written request of or without the approval of

Engineer, it must, if requested by Engineer, be uncovered for Engineer's observation and replaced at Contractor's expense.

13.9. 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 bear all direct, indirect and consequential costs of such uncovering, exposure, observation, inspection and testing and of satisfactory reconstruction, (including but not limited to fees and charges of engineers, architects, attorneys and other professionals), and Owner shall be entitled to an appropriate decrease in the Contract Price, and, if the parties are unable to agree as to the amount thereof, Owner may make a claim therefor as provided in Article 11. 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 Time, or both, directly attributable to such uncovering, exposure, observation, inspection, testing and reconstruction and, if the parties are unable to agree as to the amount or extent thereof, Contractor may make a claim therefor as provided in Articles 11 and 12.

Owner May Stop the Work:

13.10. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to furnish or 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 or any other party.

Correction or Removal of Defective Work:

13.11. If required by Engineer, Contractor shall promptly, as directed, either correct all defective Work, whether or not fabricated, installed or completed, or, if the Work has been rejected by Engineer, remove it from the site and replace it with non-defective Work. Contractor shall bear all direct, indirect and consequential costs of such correction or removal (including but not limited to fees and charges of engineers, architects, attorneys and other professionals) made necessary thereby.

One Year Correction Period:

13.12. If within one year after the date of Final 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, Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions, either correct such defective Work, or, if it has been rejected by Owner, remove it from the site and replace it with non-defective work. 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 the rejected Work removed and replaced, and all direct, indirect and consequential costs of such removal and replacement (including but not limited to fees and charges of engineers, architects, attorneys and other professionals) will be paid by Contractor. In special circumstances where a particular portion is placed in continuous service before Final 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.

Acceptance of Defective Work:

13.13. If, instead of requiring correction or removal and replacement of defective Work, Owner (and, prior to Engineer's recommendation of final payment, also Engineer) prefers to accept it, Owner may do so. Contractor shall bear all direct, indirect and consequential 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 to include but not be limited to fees and charges of engineers, architects, attorneys and other professionals). 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, and, if the parties are unable to agree as to the amount thereof, Owner may make a claim therefor as provided in Article 11. If the acceptance occurs after such recommendation, an appropriate amount will be paid by Contractor to Owner or deducted from amounts owed to Contractor.

Owner May Correct Defective Work:

13.14. If Contractor fails within a reasonable time after written notice of Engineer to proceed to correct and to correct defective Work or to remove and replace rejected Work as required by Engineer in accordance with paragraph 13.11, 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. To the extent necessary to complete 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, 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 such access to the site as may be necessary to enable Owner to exercise the rights and remedies under this paragraph. All direct, indirect and consequential costs of Owner in exercising such rights and remedies will be charged against Contractor in an amount approved as to reasonableness by Engineer, 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, and, if the parties are unable to agree as to the amount thereof, Owner may make a claim therefor as provided in Article 11. Such direct, indirect and consequential costs will include but not be limited to fees and charges of engineers, architects, attorneys and other professionals, all court costs and all costs of repair and replacement of work of others destroyed or damaged by correction, removal or replacement of Contractor's defective Work. Contractor shall not be allowed an extension of the Contract Time because of any delay in performance of the Work attributable to the exercise by Owner of Owner's rights and remedies hereunder.

Owner May Regulate Work:

13.15. The Owner shall have the authority to regulate the amount of work which may be open or under construction in advance of the completed portions of the Work. The sequence of construction shall be approved by the Engineer prior to construction if not specifically covered in the Contract Documents.

ARTICLE 14 - PAYMENTS TO CONTRACTOR AND COMPLETION

Basis of Payment:

14.1. Progress payments for unit price contracts shall be based on the number of units completed. If a number of units are partially completed, the estimated percentage of the partially completed units times the number of units shall determine the completed units for that item. Lump sum items shall be paid based on the estimated percentage of completion at the end of each progress payment period.

Application for Progress Payment:

14.2 Contractor shall submit to Engineer for review an Application for Payment filled out and signed by the 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. All applications for payment shall include an updated and/or revised project schedule conforming to the requirements of paragraph 2.6.1. Contractor shall submit the Application for Payment within seven (7) days following the end of the period for which payment is being requested. 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 and proof of payment for said materials warranting that Owner has received the materials and equipment free and clear of all liens, charges, security interests and encumbrances (which are hereinafter in these General Conditions referred to as "Liens") and evidence that the materials and equipment are covered by appropriate property insurance and/or other arrangements to protect Owner's interest therein, all of which will be satisfactory to Owner. The amount of retainage with respect to progress payments will be as stipulated in the Agreement.

Contractor's Warranty of Title:

14.3. 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.

Review of Applications for Progress Payment:

14.4. Engineer will, within seven (7) days after receipt of each Application for Payment, both indicate in writing, a recommendation of payment and present the Application to Owner, or return the Application to Contractor indicating in writing Engineer's reason for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application. Engineer will, within seven (7) days, review the resubmitted application as detailed above. Twenty-One (21) days after presentation of the Application for Payment with Engineer's recommendation for approval, the amount recommended will (subject to the provisions of the last sentence of paragraph 14.7) become due and when due will be paid by Owner to Contractor.

14.5. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's on-site observations of the Work in progress as an experienced and qualified design professional and on Engineer's review of the Application for Payment and the accompanying data and schedules that the Work has progressed to the point indicated; that, to the best of Engineer's knowledge, information and belief, the quality of the Work is 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 9.10, and to any other qualifications stated in the recommendation); and that Contractor is entitled to payment of the amount recommended.

14.6. Engineer's recommendation of final payment will constitute an additional representation by Engineer to Owner that the conditions precedent to Contractor's being entitled to final payment as set forth in paragraph 14.13 have been fulfilled.

14.7. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make such representations to the Owner. Engineer may also refuse to recommend any such payment, or, because of subsequently discovered evidence or the results of subsequent inspections or tests, nullify any such payment previously recommended, to such extent as may be necessary in Engineer's opinion to protect Owner from loss because:

14.7.1. The Work is defective, or completed Work has been damaged requiring correction or replacement,

14.7.2. The Contract Price has been reduced by Change Order.

14.7.3. Owner has been required to correct defective Work or complete Work in accordance with paragraph 13.14, or

14.7.4. Of Engineer's actual knowledge of the occurrence of any of the events enumerated in paragraphs 15.2.1 through 15.2.9 inclusive.

Owner may refuse to make payment of the full amount recommended by Engineer because claims have been made against Owner on account of Contractor's performance or furnishing of the Work or Liens have been filed in connection with the Work or there are other items entitling Owner to a set-off against the amount recommended, but Owner must give Contractor immediate written notice stating the reasons for such action.

Substantial Completion:

14.8. When Contractor considers the entire Work ready for its intended use Contractor shall notify 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 notice of Substantial Completion. Within a reasonable time 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 and Contractor a notice of Substantial Completion which shall fix the date of Substantial Completion. There shall be attached to the certificate a list of items to be

completed or corrected before final payment. At the time of delivery of the notice 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 operation, safety, maintenance, insurance and warranties.

14.9. Owner shall have the right to exclude Contractor from the Work after the date of Substantial Completion, but Owner shall allow Contractor reasonable access to complete or correct items on the list.

Partial Utilization:

14.10 The Owner shall have the right to take possession of and use any finished part of the Works when it can be established by the Owner and Engineer that the part in question constitutes a separately functioning and usable part of the Work that can be used by Owner without significant interference with Contractor's performance of the remainder of the Work, subject to the following:

14.10.1 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, Contractor will certify to Owner and Engineer that said part of the Work is substantially complete. Engineer will then issue a notice of Substantial Completion for said part of the Work. The provisions of paragraphs 14.8 and 14.9 will apply with respect to said Substantial Completion and the division of responsibility in respect thereof and access thereto.

14.10.2. Owner may at any time notify Contractor in writing of Owner's intent to take over operation or use of any such part of the Work although it is not substantially complete. Engineer shall make an inspection of that part of the work to determine its status of completion and prepare a list of items remaining to be completed or corrected thereon before final payment. Engineer shall submit said list together with a written recommendation as to the division of responsibilities pending final payment between Owner and Contractor with respect to operation, safety, maintenance, insurance, warranties and guarantees for that part of the Work which will become binding upon Owner and Contractor at the time when Owner takes over such operation or use. During such operation or use and prior to Substantial Completion of such part of the Work, Owner shall allow Contractor reasonable access to complete or correct items on said list and to complete other related Work.

If Contractor believes that Owner's action to take possession of and use said part of the Work justifies an increase in the Contract Price or an extension of the Contract Time and the parties are unable to agree to the amount or extent thereof, Contractor may make a claim therefor as provided in Article 11 or Article 12.

14.10.3. No occupancy or separate operation of part of the Work will be accomplished prior to compliance with the requirements of paragraph 5.12 in respect of property insurance.

Final Inspection:

14.11. Upon notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will 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 remedy such deficiencies.

Final Application for Payment:

14.12. After Contractor has completed all such corrections to the satisfaction of Engineer and delivered all maintenance and operating instructions, schedules, guarantees, Bonds, certificates of inspection, marked-up record documents (as provided in paragraph 6.19) and other documents - all as required by the Contract Documents, and after Engineer has indicated that the Work is acceptable (subject to the provisions of paragraph 14.16), Contractor may make application for final payment following the procedure for progress payments. The final Application for Payment shall be accompanied by all documentation called for in the Contract Documents, together with complete and legally effective releases or waivers (satisfactory to Owner) of all Liens arising out of or filed in connection with the Work. In lieu thereof and as approved by Owner, Contractor may furnish receipts or releases and receipts in full; an affidavit of Contractor that the releases include all labor, services, material and equipment for which a Lien could be filed, and that 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; and consent of the surety, if any, to final payment. If any Subcontractor or Supplier fails to furnish a release or receipt in full, Contractor may furnish a Bond or other collateral satisfactory to Owner to indemnify Owner against any Lien. The Contractor shall also be responsible for correct submittal of all payroll information to the satisfaction of the Contracts and Procurement Division-Contract Compliance prior to submittal of the application for final payment.

Final Payment and Acceptance; Deadline for Submission of Final Application for Payment:

14.13. 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 - all 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, including compliance with Section 14.13(a), Engineer will, within seven (7) days after receipt of the final Application for Payment, indicate in writing Engineer's recommendation of payment and present the Application to Owner. If Engineer does not recommend payment, Engineer will return the Application to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor may make the necessary corrections and resubmit the application unless Contractor has forfeited payment pursuant to Section 14.13(a). Except as provided by Section 14.13(a), thirty (30) days after presentation to Owner of the application and accompanying documentation, in appropriate form and substance, and with Engineer's recommendation, the amount recommended by Engineer will become due and will be paid by Owner to Contractor.

14.13(a) Final Application for Payment; Deadline. If the Contractor has not submitted a final application for payment within sixty 60 days from the date of the Engineer's determination that the Work is acceptable pursuant to Section 14.12, the Owner will notify the Contractor, in writing, that a final application must be submitted within thirty (30) days from the date of the notification or else the Contractor will be deemed to have forfeited any remaining amounts due.

14.13(b) Forfeiture of Payment. Contractor agrees that failure to timely submit a Final Application for Payment pursuant to Section 14.13(a) will result in forfeiture of any remaining amounts due.

14.14. 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 5.1, 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.

Contractor's Continuing Obligation:

14.15. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. Neither recommendation of any progress or final payment by Engineer, nor the notice of Substantial Completion, nor any payment by Owner to Contractor under the Contract Documents, nor any use or occupancy of the Work or any part thereof by Owner, nor any act of acceptance by Owner nor any failure to do so, nor any review and approval of a Shop Drawing or sample submission, nor the issuance of a notice of acceptability by Engineer pursuant to paragraph 14.13, nor any correction of defective Work by Owner will constitute an acceptance of Work not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents (except as provided in paragraph 14.16).

Waiver of Claims:

14.16. The making and acceptance of final payment will constitute:

14.16.1. 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 14.11 or from failure to comply with the Contract Documents or the terms of any special guarantees specified therein; however, it will not constitute a waiver by Owner of any rights in respect of Contractor's continuing obligations under the contract Documents; and

14.16.2. A waiver of all claims by Contractor against Owner other than those previously made in writing and still unsettled.

ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION

Owner May Suspend Work:

15.1. Owner may, at any time and without cause, suspend the work, or any portion thereof, for a period of not more than 120 days, by notice in writing to Contractor and Engineer. Contractor shall resume the Work on the date fixed by Owner by notice in writing to Contractor and Engineer. Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to any suspension by Owner without cause and in excess of 120 days if Contractor makes an approved claim therefor as provided in Articles 11 and 12.

Owner May Terminate:

15.2. Upon the occurrence of any one or more of the following events:

15.2.1. If Contractor commences a voluntary case under any chapter of the bankruptcy Code (Title 11, United States Code), as now or hereafter in effect, or if Contractor takes any equivalent or similar action by filing a petition or otherwise under any other federal or state law in effect at such time relating to the bankruptcy or insolvency;

15.2.2. If a petition is filed against Contractor under any chapter of the Bankruptcy Code as now or hereafter in effect at the time of filing, or if a petition is filed seeking any such equivalent or similar relief against Contractor under any other federal or state law in effect at the time relating to bankruptcy or insolvency;

15.2.3. If Contractor makes a general assignment for the benefit of creditors;

15.2.4. If a trustee, receiver, custodian or agent of Contractor is appointed under applicable law or under contract, whose appointment or authority to take charge of property of Contractor is for the purpose of enforcing a Lien against such property or for the purpose of general administration of such property for the benefit of Contractor's creditors;

15.2.5. If Contractor admits in writing an inability to pay its debts generally as they become due;

15.2.6. If Contractor persistently fails 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 2.6 as revised from time to time);

15.2.7. If Contractor disregards Laws or Regulations of any public body having jurisdiction;

15.2.8. If Contractor disregards the authority of Engineer; or

15.2.9. If Contractor otherwise violates in any substantial way any provisions of the Contract Documents;

Owner may, after giving Contractor (and the surety, if there be one) seven days' written notice and to the extent permitted by Laws and Regulations, terminate the services of Contractor, exclude Contractor from the site and take possession of the Work, 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 the direct, indirect and consequential costs of completing the Work (including but not limited to fees and charges of engineers, architects, attorneys and other professionals and court costs) such excess will be paid to Contractor. If such costs exceed such unpaid balance, Contractor shall pay the difference to Owner. Such costs incurred by Owner will be approved as to reasonableness by Engineer and incorporated in a Change Order, but when exercising any rights or remedies under this paragraph Owner shall not be required to obtain the lowest price for the Work performed.

15.3. 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.

15.4. Upon seven days' written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy, elect to abandon the Work and terminate the Agreement. In such case, Contractor shall be paid for all Work executed and any expense sustained plus reasonable termination expenses, which will include, but not be limited to, direct, indirect and consequential costs (including, but not limited to, fees and charges of engineers, architects, attorneys and other professionals and court costs).

Contractor May Stop Work or Terminate:

15.5. If, through no act or fault of Contractor, the Work is suspended for a period of more than 120 days by Owner or under an order of court or other public authority, or Engineer fails to act on any Application for Payment within forty-five (45) days after it is submitted, or Owner fails for forty-five (45) days after submittal of the application to pay Contractor any sum finally determined to be due provided that Contractor has complied with all appropriate requirements of these Contract Documents, then Contractor may, upon seven days' written notice to Owner and Engineer, terminate the Agreement and recover from Owner payment for all Work executed and any expense sustained plus reasonable termination expenses. In addition and in lieu of terminating the Agreement, if Engineer has failed to act on an Application for Payment or Owner has failed to make any payment as aforesaid, Contractor may upon seven days' written notice to Owner and Engineer stop the Work until payment of all amounts then due. The provisions of this paragraph shall not relieve Contractor of the obligations under paragraph 6.29 to carry on the Work in accordance with the progress schedule and without delay during disputes and disagreements with Owner.

ARTICLE 16 - MISCELLANEOUS

Giving Notice:

16.1. 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 regular mail postage prepaid, to the last business address known to the giver of the notice.

General:

16.2. Should Owner or Contractor suffer injury or damage to person or property because of any error, omission or act of the other party or of any of the other party's employees or agents or others for whose acts the other party is legally liable, claim will be made in writing to the other party within a reasonable time of the first observance of such injury or damage. The provisions of this paragraph 16.2 shall not be construed as a substitute for or a waiver of the provisions of any applicable statute of limitations or repose.

16.3. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto, and, in particular but without limitation, the warranties, guarantees and obligations imposed upon Contractor by paragraphs 6.30, 13.1, 13.12, 13.14, 14.3 and 15.2 and all of the rights and remedies available to Owner and Engineer thereunder, 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 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. All representations, warranties and guarantees made in the Contract Documents will survive final payment and termination or completion of the Agreement.

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Footnote: These General Conditions are based on the "Standard General Conditions of the Construction Contract", prepared by the Engineers Joint Contract Documents Committee, EJCDC No.1910-8 (1983 Edition). Deletions and additions have been made to the referenced document as deemed appropriate for use by the City of Topeka.

DOCUMENT 820
SUPPLEMENTARY CONDITIONS

CITY OF TOPEKA
STREET IMPROVEMENT PROJECT

Project No. 841106.02
UBAS 2026

These Supplementary Conditions amend, modify or supplement the General Conditions for City of Topeka Department of Public Works Construction Projects, Document 700, other provisions of the Contract Documents, the Standard Technical Specifications or the Drawings, as indicated below. All provisions which are not so amended, modified or supplemented shall remain in full force and effect.

SC-1 SPECIFICATIONS: All work shall conform to the latest adopted edition of the City of Topeka Standard Technical Specifications, the latest adopted edition of the Kansas Department of Transportation Specifications for State Road and Bridge Construction and this Project Manual.

SC-2 ULTRATHIN BONDED ASPHALT SURFACE:

- A. General. When indicated on the contract plans construct the ultrathin bonded asphalt surface (UBAS) as designated in the Contract Documents. When noted, Part V refers to the Kansas Department of Transportation's Construction Manual Part V, latest edition. When noted, a SECTION refers to the designated section of the Standard Specifications for State Road and Bridge Construction, 2015 Edition.

- B. Contractor Quality Control Requirements
 - a. General. Provide qualified personnel and sufficient equipment complying with the requirements listed in Part V to conduct quality control testing that complies with Appendix B - Sampling and Testing Frequency Chart for Asphalt Construction Items for Quality Control/Quality Assurance Projects. **For this project, one subplot is considered 10,000 square yards of UBAS and one lot is considered 40,000 square yards of UBAS.**
 - Allow the Engineer access to the Contractor's laboratory to observe testing procedures, calculations, test documentation and plotting of test results.
 - Calibrate and correlate the testing equipment with prescribed procedures, and conduct tests in compliance with specified testing procedures as listed in Section 5.2.7- Contractor's Quality Control Plan, Part V.

At the completion of the project, all documentation becomes the property of City. Provide the following test data to the Project representative:

- Copies of all test results and control charts on a weekly basis, representing the prior week's production.
- Copies of the quality control summary sheet when available and not later than the next working day of obtaining the sample. Include, as a minimum, mix gradation, binder content, theoretical maximum specific gravity (G_{mm}) and film thickness; and
- Copies of all failing test results when available (based on a moving average of 3 tests, when appropriate).

b. Maintain a staff of quality control personnel or contract with a private testing firm having personnel certified according to the Policy and Procedure Manual for the Certified Inspection and Testing (CIT) Training Program. The testing for this type of construction will require personnel certified in Aggregate Field Tester (AGF), Aggregate Lab Technician, Profilograph (PO), and Superpave Field (SF) classifications.

Only persons certified in the appropriate classifications covering the specific tests required shall perform such testing.

c. Required Duties of Certified Inspectors. Be available on the project site whenever UBAS is being produced and being placed on the project site. Perform and utilize quality control tests and other quality control practices to assure that delivered materials and proportioning meet the requirements of the mix designs.

Periodically inspect all equipment utilized in transporting, proportioning, mixing, placing, and compacting to assure it is operating properly and that placement and compaction comply with the contract requirements.

d. Documentation. At all times, have complete records of all inspections and tests available on site for the Engineer. All records documenting the Contractor's quality control inspections and tests become the property of the City or County upon completion of the work. Indicate the nature and number of observations made, the number and type of deficiencies found, the quantities approved and rejected, and the corrective action taken in the records. Examples of quality control forms and charts are available in Part V, or Contractors may design their own. Documentation procedures are subject to approval by the Engineer before the start of the work and to compliance checks during the progress of the work.

Provide the following test data to the Project Representative:

- Copies of all test results and control charts on a weekly basis, representing the prior week's production.
- Copies of the quality control summary sheet on a daily basis. Include, as a minimum, mix gradation, binder content, theoretical maximum specific gravity (G_{mm}) and film thickness; and
- Copies of all failing test results (based on a moving average of 3 tests, when appropriate). Include all applicable sieves, binder content and film thickness.

e. Testing. **The Owner reserves the right to obtain assurance samples at any time during operations and have an independent lab test the material.**

f. Corrective Action. Identify procedures for notifying the Engineer when corrective measures must be implemented, and for halting production.

g. Non-Conforming Materials. Specifically address how non-conforming materials will be controlled and identified. Establish and maintain an effective and positive system for controlling non-complying material, including procedures for its identification, isolation and disposition. Reclaim or rework non-complying materials according to procedures acceptable to the Engineer. This could include removal and replacement of in- place pavement.

Positively identify all non-conforming materials and products to prevent use, shipment and intermingling with complying materials and products. Provide holding areas, mutually agreeable to the Engineer and Contractor.

C. MATERIALS

a. Asphalt Binder. Provide Asphalt Binder that complies with DIVISION 1200 of the Standard Specifications for State Highway and Bridge Construction. Post a legible copy of the latest bill of lading for the Asphalt Binder in the Contractor's Field Lab. Use the mixing and compaction temperatures shown on the bill of lading; however, the maximum mixing or compaction temperature is 340°F, unless otherwise approved by the City or County Engineer. Notify the Engineer if the mixing or compaction temperature changes.

Provide Emulsion Bonding Liquid (EBL) that complies with DIVISION 1200.

b. Reclaimed Asphalt Pavement (RAP) and Recycled Asphalt Shingles (RAS). Do not use RAP or RAS in the UBAS.

c. Aggregates. Provide aggregates that comply with SECTION 1103.

d. Combined Aggregates. Provide combined aggregates for the mixes required in the Contract Documents as shown in TABLE 7.11-1.

Mixes may use any combination (except as noted below) of aggregate and mineral filler supplements complying with the applicable requirements in TABLES 1103-1 and 1103-2. When coarse aggregates are blended from 1 or more sources, or if more than 1 type, each source or type shall meet the coarse aggregate properties (CAA, LA Abrasion, and micro-deval) in TABLE 1103-3.

The minimum Uncompacted Void Content of the Fine Aggregate "U" Value, of the combined aggregate is 45%.

The minimum sand equivalency (SE) of the combined aggregates is 45%.

Provide materials with less than 0.5% moisture in the final mixture.

The maximum quantity of crushed steel slag used in the mix is 50% of the total aggregate weight. No natural sand will be used in the UBAS.

- Primary aggregates are designated as CS-1 (excluding limestone), CS-2 (excluding limestone), CG, CH-1 and CSSL as described in subsection 1103.2a.(1). Primary aggregate requirements do not apply to the mixture on the shoulder.

e. Contractor Mix Design. UBAS shall conform to Table 7.11-1. Contractor shall certify that his mix meets the requirements specified in the tables.

TABLE 7.11-1: COMBINE AGGREGATE REQUIREMENTS FOR ULTRATHIN BONDED ASPHALT SURFACE*											
Mix Designation / Nom Thickness	Percent Retained – Square Mesh Sieves										Asphalt Content (%)
	¾"	½"	⅜"	No. 4	No. 8	No. 16	No. 30	No. 50	No. 100	No. 200	
Type A - ⅝"		0	0-7	45-60	68-78	75-85	82-90	87-92	90-94	94.0-96.0	5.0 to 6.2

*For flat and elongated particles in the combined coarse aggregate, use the ratio of 3:1 in lieu of 5:1 shown in KT-59. Do not exceed 25% for the total sample.

TABLE 7.11-2: MIX PROPERTIES		
Property	Test Method	Limits
Total Amine Value of Antistrip Agent, (mg/g of KOH, min) ^a	ASTM D2074	500
Design Film Thickness (mm, min.)	KDOT Construction Manual	9.0 ^b
Drain Down (% max.)	KT-63	0.10
Gyratory Compacted Revolutions, Ndes	KT-58	100 ^c
Emulsion Bonding Liquid (EBL),(gal/sy)	Equation 1	(0.20 ± 0.07) ^d

a – The asphalt binder used in the mix will contain a minimum of 0.25% of an amine based antistripping agent by weight of the asphalt binder.
b – Calculate using the film thickness equation in Section 5.10.4-Calcs for Marshall Mix Design of Bituminous Mixtures, Part V.
c – Compact gyratory specimen to 100 gyrations. Calculate the percent air voids using KT-15, Procedure IV.
d – Calculate the target EBL Shot Rate (S_{ebl} (gal.sy)), using Equation 1; however, the value must be within the limits in this table.
Equation 1: $S_{ebl} = 3.93 * P_s * \frac{(V_a + MF)}{100}$
The particle size (P_s), and the mix factor (MF) are based on the mix designation as shown in the TABLE 7.11-3.

TABLE 7.11-3: VARIABLES IN EBL SHOT RATE EQUATION		
Mix Designation	Particle Size (P_s)	Mix Factor (MF)
Type A	0.25 0	3.2

Consider adjusting the EBL spray rate based on the condition of the existing surface as listed in the TABLE 7.11-4. Consult the supplier of the EBL to obtain the recommended adjustment to the spray rate.

Existing Pavement Type	Condition	Adjustment Rate (gal/sy)
PCCP	Smooth	0.00
	Textured	+0.02 to +0.04
HMA	Flushed	-0.02 to -0.04
	New	0.00
	Matte and OGFC	+0.02
	Dry	+0.03
	Milled	+0.02 to +0.04
Surface Recycle & Cold Recycle	Flushed	-0.02 to -0.04
	Black	+0.02
	Dry	+0.03
Chip Seal	Flushed	-0.02 to -0.04
	Black	+0.02
	Dry	+0.03

D. CONSTRUCTION REQUIREMENTS

a. Plant Operation. Adjust all plant operations to operate continuously.

(1) Preparation of the Asphalt Binder. Heat the asphalt binder to within a range as specified in SECTION 601. When heating the asphalt binder to the specified temperature, avoid local overheating. At all times, provide a continuous supply of the asphalt binder to the mixer at a uniform temperature. Asphalt binder received from the refinery at temperatures less than 375°F may be used as received, if the requirements regarding the reheating of asphalt binder in SECTION 601 are met.

(a) Comingling of Asphalt Binders. Do not add or commingle asphalt binders from 2 or more sources into a storage tank. If this occurs, the contents of the storage tank are considered contaminated. Do not use the contents of the storage tank on the project, except as follows: It is permissible, at the Contractor's option, to thoroughly mix the contents of the tank and request sampling of the mixture. Do not use the asphalt binder until approved, and when needed, a new mix design evaluation is completed.

(b) Asphalt Binder Sources. Before changing asphalt binder sources on a project, obtain approval from the City or County Engineer.

(c) Anti-Strip Additives. If liquid anti-strip additives are added at the Contractor's plant, install a "totalizer" to monitor the quantity of anti-strip additive being added. The Engineer may approve alternative methods for including anti-strip additives in a batch plant. If added at the plant, the anti-strip will be added in line with the asphalt binder as it is being transferred from the transit unit to the asphalt binder storage tank. Provide a method for the Engineer to monitor the percent of additive being added.

(2) Preparation of Mineral Aggregate. When the mineral aggregate is composed of 2 or more ingredients, combine as shown in the approved JMF. Temperature Requirements. Dry the aggregate for the mixture and heat to a temperature to obtain an asphalt-aggregate mixture temperature

immediately after mixing within the 75 to 150 second Saybolt viscosity range of the asphalt binder used. Obtain the temperature for this viscosity range from the Asphalt Binder Producer. No mixing or compaction temperatures are to exceed 340°F without approval from the Engineer. The minimum temperature may be revised by the City or County Engineer provided it is demonstrated that satisfactory results may be obtained at a lower temperature. In such event, deliver the UBAS to the paver at a temperature sufficient to allow the material to be satisfactorily placed and compacted to the specified density and surface tolerance requirements.

- (3) Preparation of UBAS. Introduce asphalt binder into the prepared aggregate in the proportionate amount determined by the P_{br} in the JMF.

(a) Basis of Rejection. UBAS will be rejected if the aggregate, as it is discharged from the drum or the pugmill, contains sufficient moisture to cause foaming of the mixture, or if the temperature of the aggregate is such that the asphalt-aggregate mixture temperature is outside the range specified in SECTION 601.

(b) Mixing Time. Operate drum mixers at a rate to provide uniform aggregate coating in a continuous operation. For batch and continuous type plants, the minimum wet mixing time is 40 seconds. In all cases, mix a sufficient time to produce a uniform mixture in which all the aggregate particles are thoroughly coated. On batch plants, begin the timing at the start of the asphalt binder introduction into the pugmill, and end upon the opening of the discharge gate. For continuous flow plants, mixing time in seconds shall equal:

[pugmill dead capacity in pounds] divided by [pugmill output in pounds per second].

(c) Manufacturer's Specifications. Operate all drying, pumping and mixing equipment within the limits specified by the manufacturer, unless it can be demonstrated to the satisfaction of the Engineer that such limits may be exceeded without detriment to the UBAS.

(d) Batch Operation. Coordinate UBAS batchers (Gob Hoppers) with the plant production rate at all times so the hopper is more than $\frac{3}{4}$ full before the gates open, and the gates close before material can drop through the gob hopper directly into the surge bin, weigh hopper or truck.

(e) Wasted Material. Wasted material is not measured for pay.

If after an interruption of production, the drum-mixer contains cold, uncoated or otherwise unsuitable material, waste material through a diversion chute. In a continuous or batch plant drier, waste unsuitable material through the pugmill.

At the end of a production run, waste any segregated material in the cone of the storage bin.

b. Road Surface Preparation.

(1) Preparation of an Existing Asphalt Pavement. The street shall be cleaned in accordance with the requirements of "Street Sweeping" to remove all foreign material and dust. Excavate areas shown in the Contract Documents to be patched to a depth directed by the Engineer. Fill with UBAS and compact.

(2) Preparation of an Existing Concrete or Brick Pavement. The street shall be cleaned in accordance with the requirements of "Street Sweeping" to remove all foreign material and dust. Clean and fill cracks and joints, and construct surface leveling as shown in the Contract Documents.

(3) Thickness shall be tapered at locations shown on the plan drawings where UBAS abuts existing pavement.

c. Weighing Operations. See subsection 109.1 for details regarding weighing operations.

d. Hauling Operations. Schedule operations to minimize hauling over a surface course.

Deliver UBAS to the paver at a temperature sufficient to allow the material to be placed and compacted to the specified density and surfacetolerance.

e. Paving Operations.

(1) Equipment Use a transfer device between the haul units and the paver to assist in maintaining continuous placement. Use equipment such as a shuttle buggy, material transfer vehicle or mobile conveyor. (The material will not be deposited on the roadway and a pick-up device will be used to transfer the material to the paver.)

Use a self-priming spray paver approved by the Engineer.

Use a spray paver that conforms with asphalt paver requirements in SECTION 155 and the following:

- equipped with a receiving hopper, feed conveyor, asphalt emulsion storage tank, a system for measuring the EBL volume applied, a spray bar, and a heated, variable width, vibratory screed;
- capable of uniformly spraying the EBL at the specified rate, applying the hot mix surface course and leveling the surface of the mat in one pass;
- capable of paving at a controlled speed from 30-100 feet/minute;
- equipped so no wheel or other part of the paving machine is in contact with the EBL before the hot mix surface course is applied; and
- has a screed with the ability to crown the pavement at the center and extensions that can be adjusted vertically to accommodate the desired pavement profile.

The Engineer will check the pavement for longitudinal streaks and other irregularities. Make every effort to prevent or correct any irregularities in the pavement, such as changing pavers or using different and additional equipment.

Do not raise (dump) the wings of the paver receiving hopper at any time during the paving operation.

(2) Application: Spray the EBL by a metered mechanical pressure spray bar at the temperature specified in TABLE 7.11-1, or as recommended by the EBL supplier. Use a sprayer that accurately and continuously monitors the rate of spray and provides a uniform application across the entire width to be overlaid. The Engineer may make adjustments to the spray rate based upon the existing pavement surface conditions and the recommendations of the EBL supplier.

Apply the UBAS at a temperature of 290-330°F. Place the UBAS over the full width of the EBL with a heated vibratory screed. Control the amount of mix in front of the screed so it does not interfere with the application of the asphalt emulsion. Adjust the screed and its extensions to eliminate variances in surface texture caused by density segregation. Operate the paver as continuously as possible.

The target application rate of the UBAS will be stated in the Contract Documents. Use a field application rate as necessary to minimize fracturing of the top size aggregate by the screed. The Engineer will determine the acceptable extent of fracturing at the edge of the paving for tapering purposes.

The finished asphalt surface shall be free of oversized material. The Engineer will determine the extent of the oversized material in the UBAS. Take immediate corrective action to eliminate the source. If the source of the oversized material is

determined to be a stockpile or a process of plant operations, cease production until corrective actions are complete.

Spread the UBAS without tearing the surface. Strike a finish that is smooth, free of segregation, true to cross section, uniform in density and texture and free from surface irregularities. If the pavement does not comply with all of these requirements, plant production and paving will be suspended until the deficiency is corrected.

(3) Compaction: Roll the UBAS with a minimum of 1 pass and a maximum of 3 passes with 2-axle tandem steel rollers having a minimum weight of 10 tons, before the material temperature has fallen below 195°F. The Engineer will determine the number of passes necessary based on appearance of the rolled material. Do not allow the roller or rollers to remain stationary on the freshly placed UBAS. Perform rolling immediately following the placement of the UBAS with approved asphalt rollers. Supply adequate roller units so the rolling will be accomplished promptly following the placement of the material. A release agent (added to the water system) may be required to prevent adhesion of the fresh mix to the roller drum and wheels. Normally, rolling in the static mode. Do not excessively roll the driving lanes, to the extent of aggregate degradation. The Engineer will determine the acceptable extent of fracturing at the edge of the pavement from the rolling operation. Do not open the new pavement to traffic or allow any roller to sit idle on the pavement until the rolling operation is complete and the material has cooled below 160°F.

Damaged Areas: Replace any defective areas, as determined by the Engineer, at no additional cost to the City or County.

(4) Construction Joints.

- Transverse Construction Joints. Use a method of making transverse construction joints which provide a thorough and continuous bond and provide an acceptable surface texture. Do not vary the surface elevation more than 3/16 inch in 10 feet, when tested longitudinally across the joint. When required, repair the joints or paving operations will be suspended.
- Longitudinal Joints. Construct well bonded and sealed longitudinal joints to obtain maximum compaction at the joint.

(5) Adjustment of Manholes. When required, this work will be performed and paid for under this bid item.

f. Treatment of Adjacent Areas. Pave sideroads, entrances and turnouts for mailboxes as shown in the Contract Documents. Overlay all widening areas designated in the Contract Documents or ordered by the Engineer.

g. Pavement Smoothness. UBAS is excluded from profilograph testing, and not eligible for pay adjustments.

h. UBAS thickness shall be a minimum of 3/4" thick with a minus 1/8" allowable deviation. No additional payment will be made for thickness greater than 3/4". Thickness less than the allowable deviation will not be accepted.

i. The contractor is required to provide pavement cores in one mobilization, having up to 8 cores at the owner's request at locations determined by the owner. If UBAS thickness is found to be less than the acceptable range, then the contractor is required to provide an acceptable remedy and provide additional cores at no additional cost to the owner.

E. WEATHER LIMITATIONS

Do not place UBAS on any wet or frozen surface or when weather conditions otherwise prevent the proper handling and finishing of the mixture.

Only place UBAS when either the minimum ambient air temperature is 50°F or the minimum road surface temperature is 55°F.

F. MIXTURE ACCEPTANCE

a. General. Test the UBAS at each plant for compliance with TABLE 7.11-1. Acceptance will be made contingent upon satisfactory test results. Obtain quality control and verification samples of the UBAS using KT-25 sampling procedure C.1 Plant Discharge or C.2 Truck Bed.

A load or loads of mixture which, in the opinion of the Engineer, are unacceptable for reasons such as being segregated, aggregate being improperly coated, foaming aggregate or being outside the mixing temperature range may be rejected.

b. Suspension of Mix Production. Suspend production of the mix until appropriate corrections have been made, if 2 consecutive test results for any single mix characteristic fail to fall within the limits established.

The Engineer may stop production of UBAS at any time the mix or process is determined to be unsatisfactory. Make the necessary corrections before production will be allowed to resume. Failure to stop production of UBAS subjects all subsequent material to rejection by the Engineer or acceptance at a reduced price, as determined by the Engineer.

G. MEASUREMENT AND PAYMENT

1. Bid Item.

ULTRATHIN BONDED ASPHALT SURFACE (UBAS) Unit: Square Yard (nearest Square Yard)

2. Measurement. "Ultrathin Bonded Asphalt Surface" shall be measured by the **Square Yard** placed at nominal ¾" thickness. Areas with feathered thickness are subsidiary and will not be measured.

Payment for "Ultrathin Bonded Asphalt Surface" at the contract unit price per Square Yard is full compensation for the specified work. Tack oil, **cores, edge milling**, pavement marking removal, quality control testing and certification is subsidiary to " Ultrathin Bonded Asphalt Surface".

SC-3 MICRO-SURFACING (DOUBLE APPLICATION): Micro-surfacing shall be per Section 7.08 (Micro-surfacing) of the City of Topeka standard specifications. Micro-surfacing aggregate for the standard mix is intended to be consistent with ISSA Type II aggregate gradation.

The double application shall be placed in two passes. The 1st layer (bottom layer) shall include ISSA Type III Aggregate gradation rather than the standard mix, with an application rate of 24-28 lbs/SY dry weight. The material for the 1st layer may be standard limestone. Type III aggregate shall be as shown in the table below. The 2nd layer (top layer) shall be the standard mix used for single layer micro-surfacing (Type II aggregate), but the material shall be black slag (blast furnace steel slag) and the

application rate shall be higher than standard rate to account for the higher bulk specific gravity of crushed steel slab. The required rate is a 24-28 lbs/SY dry weight. Blast furnace slag may be used from sources with a documented history of satisfactory use and that have been previously approved by MoDOT and/or KDOT for use in micro-surfacing. Steel slag consisting principally of a fused mixture of oxides and silicates shall be a synthetic aggregate produced as by-product of basic oxygen, electric or open-hearth steel making furnaces. The steel slag shall be aged at least three months after crushing and screening. Steel slag, which has been previously crushed, screened, and aged three months will not be required to receive additional aging. Steel slag from one source shall not be blended with steel slag from a different source.

The 2nd layer shall not be placed until the 1st layer has had time to cure to the point of not sustaining damage from placement of the 2nd layer.

Type III Aggregate Gradation Requirements Master Gradation Range (Percent Passing)		
Sieve Size	Type III	Job Mix Tolerance
3/8 inch	100	0
No. 4	70-90	+/- 5
No. 8	45-70	+/- 5
No. 16	28-50	+/- 5
No. 30	19-34	+/- 5
No. 50	12-25	+/- 4
No. 100	7-18	+/- 3
No. 200	5-15	+/- 2

SC-4 TEMPORARY PAVEMENT MARKINGS: Prior to the application of UBAS, existing pavement markings may remain and therefore temporary markings should not be required prior to UBAS.

Prior to the application of Micro-Surfacing, the Contractor shall remove any existing thermoplastic pavement markings or symbols in accordance with Section 4.23 of the City of Topeka Standard Specifications and install temporary pavement markings.

Where an existing thermoplastic lane line, centerline or turn arrow has been removed; temporary pavement marking paint shall be placed immediately after permanent markings are removed. The temporary paint shall be maintained and refreshed as needed until the micro-surfacing treatment has been applied.

After existing markings have been removed at a signalized intersection, the Contractor is not required to provide temporary markings for the stop bars and/or crosswalks. The Contractor is required to properly install and maintain a “Stop Here on Red” sign – MUTCD R10-6a – until the permanent pavement markings can be installed following application of the surface treatment.

Following placement of the surface treatment, where a temporary lane line or centerline has been covered, the Contractor is required to install and maintain Temporary Raised Pavement Markers (TRPMs) – tabs – until the final pavement marking are installed. Immediately preceding the application of final pavement markings, the Contractor shall remove the TRPMs from the new surface treatment.

Payment for the work associated with Temporary Pavement Markings shall be subsidiary to other items of work and will not be compensated directly. This subsidiary work shall include all mobilization and clean-up required for the layout, stenciling, and painting of temporary stop bars and crosswalks; placement of TRPMS; and for all labor, equipment, materials, tools and incidentals necessary to complete this subsidiary work.

SC-5 PERMANENT PAVEMENT MARKINGS: As soon as practical after final surfacing, the Contractor shall install permanent pavement markings in accordance with the latest version of the MUTCD, City of Topeka specifications Section 4.22 and the pavement marking sheets provided as part of these Bid Documents.

All crosswalks shall be replaced with Type II style crosswalks, regardless of the existing crosswalk type.

For the installation of Permanent Pavement Markings, the Contractor shall use Thermoplastic Pavement Marking Material. Colors, widths and types of markings are listed in the pavement marking quantity summary. Quantities shown are for length of material applied on pavement.

Measurement and Payment for Permanent Pavement Markings shall be at the unit prices bid which shall include all mobilization, surface preparation, removal of TRPMs, layout, stenciling, application and clean-up; and for all labor, equipment, materials, tools and incidentals necessary to complete the work as specified for Permanent Pavement Markings.

Pavement marking may be installed after Substantial Completion but must be completed prior to Final Completion.

SC-6 MILL PATCHING: At locations shown on the plans and as directed by the inspector, the contractor shall mark the limits of Mill Patching with paint, then proceed with Step 1 below.

Step 1 - Mill Patching: Once approved, the contractor may proceed with a 2” mill of the area. After milling, the inspector will review the milled surface and make one of the following determinations:

- A. If Mill Patching is the appropriate repair measure. The contractor may proceed with placing 2” of surface course asphaltic concrete and reopening the lane to traffic. All work and materials for this mill and overlay will be paid for by the square yard as the bid item “Mill Patching”.

- a. The lane shall be reopened to traffic the same calendar day when surface temperature reaches 150 degrees Fahrenheit or cooler. The use of water and/or ice to cool the material may be required.
- B. If Mill Patching (Double Pass) is the appropriate measure. Proceed to Step 2.
- C. If Full Depth Pavement Patch is the appropriate measure. Proceed to Step 3.

Step 2 - Mill Patching (Double Pass): Once approved, the contractor may proceed with an ADDITIONAL 2” mill of the area. After ADDITIONAL milling, the inspector will review the milled surface and make one of the following determinations:

- A. IF Mill Patching (Double Pass) is the appropriate measure. The contractor may proceed with TWO SEPARATE LIFTS of 2” of surface course asphaltic concrete and reopening the lane to traffic. All work and materials for the TWO INSTANCES of mill and overlay will be paid TWICE for the square yardage as the bid item “Mill Patching”.
 - a. The lane shall be reopened to traffic the same calendar day when surface temperature reaches 150 degrees Fahrenheit or cooler. The use of water and/or ice to cool the material may be required.
 - B. If Full Depth Pavement Patch is the appropriate measure. Proceed to Step 3.

Step 3 – Full Depth Pavement Patch: Proceed with Full Depth Pavement Patch of the area. See Section SC-7. If Full Depth Pavement Patch is required, any prior milling of the area is subsidiary to the bid item Full Depth Pavement Patch.

All surface course asphaltic concrete, including both overlay layers in the case of a double pass of mill patching shall be KDOT HMA-Commercial Grade (Class A)(PG70-28) Superpave 12.5A mix.

SC-7 FULL DEPTH PAVEMENT PATCH: This bid item shall include all work necessary to remove and replace selected sections of asphalt pavement in accordance with the Standard Specifications. The specific limits of the patching work shall be marked, (white-lined) by the Contractor prior to construction for review by the engineer. The inspector may determine that only mill patching is required (see section SC-6: Mill Patching). Quantities are subject to increase or decrease as directed by the engineer. Quantity changes will not result in change in project days. Any prior milling shall be considered subsidiary. See Section 5.08 of Standard Technical Specifications for further details.

The lane shall be reopened to traffic within 54 hours when the surface temperature reaches 150 degrees Fahrenheit or cooler. The use of water and/or ice to cool the material may be required.

During removal, if brick pavement is encountered, the existing bricks shall be salvaged and delivered to the City yard.

For existing full-depth asphalt streets, the completed full-depth patch will include a minimum of 10 inches of asphalt and shall match adjacent existing pavement thickness. If additional thickness is required, it is subsidiary. The pavement shall be placed on 6 inches of aggregate base, type AB-3. The Contractor has the option to place the AB-3

material un-pugged (Dry) and compact with a vibratory plate compactor then place asphalt pavement with no wait time. Work and materials for AB-3 shall be per City of Topeka Standard Specifications and is subsidiary to the bid item "Full Depth Pavement Patch". The following streets are expected to be full-depth asphalt pavement:

- SE California

For existing asphalt-over-concrete streets the completed full-depth patch will include 7" Reinforced Concrete Pavement (High Early) with 2" asphalt surface course on top. AB-3 Base is not required under concrete. The overall pavement section is still required to match or be greater than the existing pavement thickness. The following streets are expected to be asphalt-over-concrete pavement:

- SW Wanamaker
- NE Quincy
- NE Morse

KDOT HMA-Commercial Grade (Class A)(PG70-28) Superpave 12.5A Mix shall be used for asphaltic concrete surface courses and KDOT HMA-Commercial Grade (Class A)(PG64-22) Superpave 12.5A Mix shall be used in all other courses. The nominal thickness of the compacted mat shall not exceed 2 inches for surface courses and 4 inches for other courses.

All subgrade, whether under Aggregate Base or under pavement shall be compacted to meet the requirements of the standard specifications for under Aggregate Base. If soft or poor subgrade material is encountered, the contractor shall remove and dispose of the poor material and furnish suitable material compacted with Type A compaction. Subsidiary to "Full Depth Pavement Patch".

The asphalt concrete material shall be measured by the square yard. The unit price bid shall be full compensation for all saw-cutting, removal of pavement, excavation, compaction of subgrade, AB-3 base, trimming, curing, hauling, disposal, cleaning, milling, applying emulsified asphalt tack, placing and compaction of the asphalt: and for all labor, equipment, materials, tools, supplies and incidentals necessary to complete the work as specified for "Full Depth Pavement Patch".

SC-8 CONCRETE: All concrete material on this project shall be high-early mix.

SC-9 CONCERNING SUBCONTRACTORS, SUPPLIERS AND OTHERS: Section 6.8.3 of the General Conditions, page 18, is modified for this project to read, "The amount of the work performed by Subcontractor in aggregate shall not exceed fifty (50) percent of the total Contract Price as determined based on the units of work to be performed by Subcontractors at the actual unit prices contained in the Agreement."

SC-10 SUBSIDIARY ITEMS: Work not specifically identified as a bid item or specifically called out for payment shall be considered subsidiary and incidental to other bid items. Subsidiary work includes, but is not limited to edge milling, temporary pavement markings, clean-up and demobilization.

SC-11 WORKING DAY: Work on this project shall be between the hours of 8:00am and 5:00pm, Monday through Friday except on Wanamaker if the bid item “Night Work on Wanamaker, North of I-470” is awarded.

SC-12 ALTERNATE BID ITEM – NIGHT WORK ON WANAMAKER, NORTH OF I-470:

A. Description

- This Alternate Bid Item requests a lump sum price to perform the surfacing work and pavement markings on Wanamaker north of I-470 during nighttime hours only.
- Night work shall be conducted between 11:00 PM and 5:00 AM (“Night”).
- This Alternate Bid Item applies to both bid alternatives (UBAS or Double Micro).
- As an alternate bid item, award of this work is not guaranteed. The City reserves the right to accept or reject this item based on the bids received.
- If awarded, patching items are not required to occur during night hours but all surfacing and all pavement markings are.

B. Traffic Control and Access

- A full roadway closure will be permitted during the designated night hours.
- As portions of the roadway become suitable for traffic, the Contractor shall reopen those portions to local traffic access.
- All access to adjacent properties from Wanamaker shall be restored within allotted time.
- Minimal-length lane drops that do not cause traffic disruption may remain in place after 5:30 AM.
- The roadway shall be fully opened to unrestricted traffic no later than 6:00 AM each workday.
- If the roadway is not fully opened to unrestricted traffic by 6:00 AM, a Work Zone User Fee of \$1,000 per hour may be assessed for each hour (or portion thereof) past 6:00 AM that the traffic remains restricted.
- Assessment of this fee shall be at the sole discretion of the Engineer.

C. Traffic Control Plan and Coordination

- The Contractor shall prepare and submit a Traffic Control Plan (TCP) for all work associated with this item.
- The TCP shall include a detailed and logical plan for handling interstate off-ramp traffic.
- The Contractor shall coordinate all traffic control measures affecting the Wanamaker-470 ramps with KDOT.
- No work shall begin until the submitted Traffic Control Plan has been reviewed and approved.

D. Public Notification Requirements

- The Contractor shall provide the City with necessary project information for use in a press release announcing the closure.
- The Contractor shall notify all nearby businesses in advance of the closure.

- Four (4) message boards shall be placed along the route a minimum of five (5) full calendar days prior to the first closure night to inform the traveling public of the upcoming closure. These message boards are not paid separately but subsidiary to “Night Work on Wanamaker, North of I-470”.

E. Duration of Night Work

- A maximum of seven (7) nights will be permitted.
- Weekend night work (Saturday PM/Sunday AM or Sunday PM/Monday AM) will not be allowed.
- Simultaneous paving operations and crews should be anticipated in order to complete the work within the allowed timeframe.

F. Measurement and Payment

- Payment for this item shall be made at the contract lump sum price bid for “Night Work on Wanamaker, North of I-470” which shall constitute full compensation for all labor, materials, equipment, traffic control, coordination, public notification, and incidentals necessary to complete the work as specified herein.

SC-13 CONSTRUCTION INSPECTION: The City of Topeka will provide the personnel to inspect all work performed. A construction inspector will be assigned to the project that has the authority to act and make decisions on behalf of the City of Topeka.

SC-14 CONTRACT TIME: Substantial Completion and Final Completion dates are as set forth in Document 530A. These dates will not be adjusted if quantities are increased from the bid amounts except if one or more Add Alternates is accepted per Document 101. Additional time for inclement weather may be considered and will be granted at the discretion of the Project Engineer. Final pavement markings must be placed prior to the Final Completion date but may be placed after the Substantial Completion date.

SC-15 LIQUIDATED DAMAGES: Owner will consider liquidated damages for delay (but not as penalty); Contractor shall pay Liquidated Damages according to Document 530 - Agreement for each day past the scheduled date of completion.

SC-16 PAYMENT PROCEDURES: Contractor shall submit payment applications to the project inspector for review and approval. All payment applications will be based on the number of units actually completed.

SC-17 ADDITIONAL WORK: The City reserves the right to add or delete street segments from the project and acknowledges these additions/deletion may increase or decrease project quantities and Contractor compensation based on the unit prices bid. There will be no increase or decrease in unit prices associated with additions or deletions in quantities. For minor increases in quantities, no additional days will be granted to the contractor. If Add Alternates are accepted, additional days will be granted per Document 101.

SC-18 SUBMITTAL REQUIREMENTS: The following certifications must be submitted and approved by the Engineer prior to commencing work.

- UBAS materials and the mix design – if used
- Micro-surfacing materials and mix design (Type II, Black Slag) – if used
- Micro-surfacing materials and mix design (Type III) – if used
- Epoxy pavement marking material
- Asphalt Pavement – Surface course mix
- Asphalt Pavement – Base course mix
- Aggregate Base – AB-3
- Reinforced Concrete Pavement (High Early)

SC-19 STAKING: Any incidental staking that is required, is the responsibility of the contractor and is subsidiary to other items of work.

SC-20 EARTHWORK: Any incidental earthwork that is required, including excavation, compaction, and hauling of waste or borrow material is expected to be minor and is the responsibility of the contractor and is subsidiary to other items of work.

SC-21 EROSION CONTROL AND SEEDING: Any incidental temporary erosion control and temporary or permanent seeding is expected to be minor and is the responsibility of the contractor and is subsidiary to other items of work. This work shall be in accordance with City of Topeka Standard Details and Standard Technical Specifications. All disturbed unpaved areas shall have vegetation reestablished by the contractor prior to acceptance of the project.

SC-22 STREET SWEEPING: The street segments in this project are not expected to require major cleaning and therefore street sweeping is not a paid bid item. The contractor is still required to clean the streets prior to surfacing operations, subsidiary to other work.

For UBAS, existing pavement marking removal is not required unless the existing markings are 0.2” thick or thicker. Thick markings are not expected, however if they are encountered, the contractor may be required to remove them prior to UBAS placement. This pavement marking removal work would be considered Force Account Work for UBAS.

For micro-surfacing, existing thermoplastic pavement marking shall be removed prior to micro-surfacing placement. This pavement marking removal work is considered subsidiary for micro-surfacing.

SC-23 VARIABLE MESSAGE BOARDS: At the request of Engineer place a variable message board at each end of a roadway segment prior to work. It shall remain in operation for up to 14 days and shall be in-place up to 7 days prior to work starting. In other words, each unit in the bid item is one 14-day setup. If variable message board is not needed at one or more locations the quantity will be under-run accordingly.

SC-24 WEEKEND WORK HOURS: Saturday work may be allowed upon written request to the inspector with at least 48 hours' notice. Saturday hours are limited to 8:00 am – 4:00 pm.

Sunday work is not allowed.

SC-25 MOBILIZATION: Mobilization consists of preparatory work and operations, including the movement of personnel, equipment, materials, supplies, and incidentals to the project site prior to the beginning work to establish Contractor's offices and buildings or other facilities. Mobilization may also include obtaining bonds, permits, and demobilization.

The lump sum amount bid for "Mobilization" shall not exceed 10% of the original contract amount. The Engineer shall make partial payments according to the table below:

Mobilization Partial Payments	
Percent of Original Contract Amount Completed*	% of Mobilization
5	25
10	50
25	60
50	100

The Percent of Original Contract Amount Completed = the amount earned by the Contractor divided by the total dollar value of the original contract (all bid items).

*Do not include monies earned for "Mobilization", "Traffic Control (Lump Sum)", "Contractor Construction Staking" and "Stored Materials".

The City will not pay more than the original Contract Unit Price for the mobilization item, even if the Contractor shuts down Work on the Project or moves Equipment away from the Project and then back again.

The Engineer is authorized to pay actual costs for the payment and performance bond ahead of scheduled mobilization payments provided:

- (1) The remaining amount to be paid for Mobilization is greater than the cost of the payment and performance bonds.
- (2) The Contractor provides the actual invoice for the bonds.
- (3) The Contractor provides proof of payment for the bonds.
- (4) The amount paid for the bonds is subtracted from subsequent mobilization payments.

SC-26 LANE CLOSURES: Lane closures for full depth patching will be allowed for a maximum of 54 hours. Small amounts of ice or cold water may be used to quickly cool asphalt lifts and prepare for next lift. Avoid ponding water. At its option, the City will conduct compaction testing on the base aggregate and each asphalt lift. Higher grade binder shall be used to expedite open to traffic. PG 70-28 can be opened to traffic when internal temperature reaches 150 degrees. Work zone road user fees will be assessed to the contractor at a rate of \$50/hour for every hour the lane closure remains in place over the allowed time.

In order to minimize the inconvenience for the traveling public and to increase the effectiveness of signs and traffic control devices, the Contractor shall move the traffic control devices ahead as the work allows. For example, suppose the following: A work zone is initially one mile long. Following a week's worth of the first half mile of the project is complete, the work zone would then be shortened by moving the advance warning signs ahead and removing the temporary traffic control devices no longer necessary.

When no work is in progress, the Contractor shall remove from the road or completely cover with an opaque, weatherproof material, all devices which are required only when work is actually being performed.

Closures will only be allowed when commencement of work is eminent, meaning no more than 4 hours after closure is put in place. If work does not commence within 4 hours of closure, the Contractor shall safely remove the temporary traffic control and reopen the roadway. Closed roadways will be reopened as soon as practical. Work zone road user fees of \$50/hour/lane may be assessed if Contractor unnecessarily leaves closures in place after work is completed, if no work is commencing.

SC-27 MANHOLE AND WATER VALVE ADJUSTMENTS: The Contractor shall be required to adjust manholes and valves to within a ¼ inch difference measured between the outside ring and the finished surface. After adjustment and after the street has been surfaced if the measured vertical difference is greater than ¼ inch, it shall result in a disincentive of \$750 per manhole or valve. The Contractor shall also take necessary measures to correct the mismatched manhole or valve as directed by the engineer. The disincentive shall be imposed each time the Contractor fails to properly match any manhole or valve after surfacing. The project is not considered to be substantially complete until these manholes and/or valves are adjusted.

SC-28 STREET CLOSURES: When closing one or both directions of travel on a street, a detour or flagger operation shall be used. These efforts are subsidiary to the "Traffic Control" bid item. The Contractor shall be required to submit a plan for approval by the City of Topeka.

Bidders Name: _____

**DOCUMENT 330
BID FORM**

TO: The City of Topeka, Kansas
Contracts & Procurement Division
215 S.E. 7th St., Room 60
Topeka, Kansas 66603

Project No. and Description: City of Topeka UBAS 2026 Project 841106.02 and 841104.02.

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with Owner in the form included in the contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.

2. Bidder accepts all of the terms and conditions of the Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for sixty (60) days after the day of Bid opening. Bidder will sign and submit the Agreement with the Bonds and other documents required by the Bidding Requirements within ten days after receipt of the award of contract and Contract Documents from the Owner.

3. In submitting this Bid, Bidder represents, as more fully set forth in the Agreement, that:

a. Bidder has examined copies of all the bidding Documents and of the following Addenda (receipt of all which is hereby acknowledged):

Date	Number
_____	_____
_____	_____
_____	_____
_____	_____

b. Bidder has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance or furnishing of the Work.

c. Bidder has studied carefully all reports and drawings of subsurface conditions and drawings of physical conditions which are identified in the Supplementary Conditions as provided in paragraph 4.2 of the General Conditions, and accepts the determination set forth in the Supplementary Conditions (if applicable) of the extent of the technical data contained in such reports and drawings upon which Bidder is entitled to rely.

d. Bidder has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests and studies (in addition to or to supplement these referred to in (c) above) which pertain to the subsurface or physical conditions at the site or otherwise may affect the cost, progress, performance or furnishing of the Work as Bidder considers necessary for the performance or furnishing of the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of paragraph 4.2 of the General Conditions; and no additional examinations, investigations, explorations, tests, reports or similar information or data are or will be required by Bidder for such purposes.

e. Bidder has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations, investigations, explorations, tests, reports or similar information or data in respect of said Underground Facilities are or will be required by Bidder in order to perform and furnish the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of paragraph 4.3 of the General Conditions.

f. Bidder has correlated the results of all such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.

g. Bidder has given Engineer (either the Design Engineer or the City Engineer as defined in Article 2 of the Agreement) written notice of all conflicts, errors or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by Engineer is acceptable to Bidder.

h. This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other bidder or over Owner.

Project No. and Description: City of Topeka UBAS 2026 Project 841106.02 and 841104.02.

Base Bid					
Item No.	Description	Quantity	Unit	Unit Price	Extension
1	Mobilization	1	LS		
2	Full Depth Pavement Patch	88	SY		
3	Mill Patching	232	SY		
4	Concrete Curb and Gutter (R&R)	165	LF		
5	Pavement Marking (Thermoplastic)(White)(4 inch)	3,732	LF		
6	Pavement Marking (Thermoplastic)(White)(6 inch)	2,243	LF		
7	Pavement Marking (Thermoplastic)(White)(12 inch)	83	LF		
8	Pavement Marking (Thermoplastic)(White)(24 inch)	750	LF		
9	Pavement Marking (Thermoplastic)(Yellow)(4 inch)	16,608	LF		
10	Pavement Marking (Thermoplastic)(Yellow)(12 inch)	84	LF		
11	Pavement Marking (Thermoplastic)(White)(Left Arrow)	6	EA		
12	Pavement Marking (Thermoplastic)(White)(Right Arrow)	7	EA		
13	Adjustment of Water Valve	2	EA		
14	Temporary Traffic Control	1	LS		
15	Variable Message Board	8	EA		

TOTAL BASE BID \$ _____

Add Alternate No. 1					
Item No.	Description	Quantity	Unit	Unit Price	Extension
A1.1	UBAS (PG 70-28)	55,303	SY		

TOTAL ADD ALTERNATE 1 BID \$ _____

Add Alternate No. 2					
Item No.	Description	Quantity	Unit	Unit Price	Extension
A2.1	Microsurfacing (Double Application)	55,303	SY		

TOTAL ADD ALTERNATE 2 BID \$ _____

Add Alternate No. 1A					
Item No.	Description	Quantity	Unit	Unit Price	Extension
A1A.1	Mobilization	1	LS		
A1A.2	UBAS (PG 70-28)	5,678	SY		
A1A.3	Full Depth Pavement Patch	68	SY		
A1A.4	Mill Patching	154	SY		
A1A.5	Pavement Marking (Thermoplastic)(White)(4 inch)	460	LF		
A1A.6	Pavement Marking (Thermoplastic)(White)(6 inch)	424	LF		
A1A.7	Pavement Marking (Thermoplastic)(White)(24 inch)	270	LF		
A1A.8	Pavement Marking (Thermoplastic)(Yellow)(4 inch)	2,144	LF		
A1A.9	Pavement Marking (Thermoplastic)(White)(Left Arrow)	2	EA		
A1A.10	Adjustment of Manhole	5	EA		
A1A.11	Temporary Traffic Control	1	LS		
A1A.12	Variable Message Board	2	EA		

TOTAL ADD ALTERNATE 1A BID \$ _____

Add Alternate No. 2A					
Item No.	Description	Quantity	Unit	Unit Price	Extension
A2A.1	Mobilization	1	LS		
A2A.2	Microsurfacing (Double Application)	5,678	SY		
A2A.3	Full Depth Pavement Patch	68	SY		
A2A.4	Mill Patching	154	SY		
A2A.5	Pavement Marking (Thermoplastic)(White)(4 inch)	460	LF		
A2A.6	Pavement Marking (Thermoplastic)(White)(6 inch)	424	LF		
A2A.7	Pavement Marking (Thermoplastic)(White)(24 inch)	270	LF		
A2A.8	Pavement Marking (Thermoplastic)(Yellow)(4 inch)	2,144	LF		
A2A.9	Pavement Marking (Thermoplastic)(White)(Left Arrow)	2	EA		
A2A.10	Adjustment of Manhole	5	EA		
A2A.11	Temporary Traffic Control	1	LS		
A2A.12	Variable Message Board	2	EA		

TOTAL ADD ALTERNATE 2A BID \$ _____

Add Alternate No. 1B					
Item No.	Description	Quantity	Unit	Unit Price	Extension
A1B.1	Mobilization	1	LS		
A1B.2	UBAS (PG 70-28)	3,054	SY		
A1B.3	Full Depth Pavement Patch	115	SY		
A1B.4	Mill Patching	294	SY		
A1B.5	Pavement Marking (Thermoplastic)(White)(4 inch)	176	LF		
A1B.6	Pavement Marking (Thermoplastic)(White)(6 inch)	459	LF		
A1B.7	Pavement Marking (Thermoplastic)(White)(12 inch)	76	LF		
A1B.8	Pavement Marking (Thermoplastic)(White)(24 inch)	391	LF		
A1B.9	Pavement Marking (Thermoplastic)(Yellow)(4 inch)	406	LF		
A1B.10	Pavement Marking (Thermoplastic)(White)(Left Arrow)	2	EA		
A1B.11	Adjustment of Manhole	3	EA		
A1B.12	Adjustment of Water Valve	2	EA		
A1B.13	Temporary Traffic Control	1	LS		
A1B.14	Variable Message Board	2	EA		

TOTAL ADD ALTERNATE 1B BID \$ _____

Add Alternate No. 2B					
Item No.	Description	Quantity	Unit	Unit Price	Extension
A2B.1	Mobilization	1	LS		
A2B.2	Microsurfacing (Double Application)	3,054	SY		
A2B.3	Full Depth Pavement Patch	115	SY		
A2B.4	Mill Patching	294	SY		
A2B.5	Pavement Marking (Thermoplastic)(White)(4 inch)	176	LF		
A2B.6	Pavement Marking (Thermoplastic)(White)(6 inch)	459	LF		
A2B.7	Pavement Marking (Thermoplastic)(White)(12 inch)	76	LF		
A2B.8	Pavement Marking (Thermoplastic)(White)(24 inch)	391	LF		
A2B.9	Pavement Marking (Thermoplastic)(Yellow)(4 inch)	406	LF		
A2B.10	Pavement Marking (Thermoplastic)(White)(Left Arrow)	2	EA		
A2B.11	Adjustment of Manhole	3	EA		
A2B.12	Adjustment of Water Valve	2	EA		
A2B.13	Temporary Traffic Control	1	LS		
A2B.14	Variable Message Board	2	EA		

TOTAL ADD ALTERNATE 2B BID \$ _____

Add Alternate No. 1C					
Item No.	Description	Quantity	Unit	Unit Price	Extension
A1C.1	Mobilization	1	LS		
A1C.2	UBAS (PG 70-28)	8,808	SY		
A1C.3	Full Depth Pavement Patch	87	SY		
A1C.4	Mill Patching	210	SY		
A1C.5	Pavement Marking (Thermoplastic)(White)(6 inch)	5,090	LF		
A1C.6	Pavement Marking (Thermoplastic)(Yellow)(4 inch)	5,370	LF		
A1C.7	Adjustment of Water Valve	3	EA		
A1C.8	Temporary Traffic Control	1	LS		
A1C.9	Variable Message Board	2	EA		

TOTAL ADD ALTERNATE 1C BID \$ _____

Add Alternate No. 2C					
Item No.	Description	Quantity	Unit	Unit Price	Extension
A2C.1	Mobilization	1	LS		
A2C.2	Microsurfacing (Double Application)	8,808	SY		
A2C.3	Full Depth Pavement Patch	87	SY		
A2C.4	Mill Patching	210	SY		
A2C.5	Pavement Marking (Thermoplastic)(White)(6 inch)	5,090	LF		
A2C.6	Pavement Marking (Thermoplastic)(Yellow)(4 inch)	5,370	LF		
A2C.7	Adjustment of Water Valve	3	EA		
A2C.8	Temporary Traffic Control	1	LS		
A2C.9	Variable Message Board	2	EA		

TOTAL ADD ALTERNATE 2C BID \$ _____

Add Alternate No. 1D					
Item No.	Description	Quantity	Unit	Unit Price	Extension
A1D.1	Night Work on Wanamaker, North of I-470	1	LS		

TOTAL ADD ALTERNATE 1D BID \$ _____

Add Alternate No. 2D					
Item No.	Description	Quantity	Unit	Unit Price	Extension
A2D.1	Night Work on Wanamaker, North of I-470	1	LS		

TOTAL ADD ALTERNATE 2D BID \$ _____

4. Quantities are estimated. Final payment will be based on actual quantities unless otherwise stated in the Contract Documents.
5. Bidder agrees that the Work will be substantially complete in accordance with the time requirements given in the Agreement and General Conditions.
6. Bidder accepts the provisions of the Agreement for Liquidated Damages in the event of failure to complete the work on time.
7. The following documents are attached to and made a condition of this Bid:
 - a. Required Bid Security in the form of a certified or bank check or a bid bond in accordance with the provisions of the Instructions to Bidders.
 - b. List of Subcontractors; Costs and Suppliers.
9. The terms used in this Bid which are defined in the General Conditions included as part of the Contract Documents have the meanings assigned to them in the General Conditions.

SUBMITTED on _____, 20 _____.

 Name of Bidder a(n) _____
 (individual, partnership, corporation)

 Address of Bidder

 Telephone Number

By: _____, (Corporate Seal)
 Authorized Person

 Title

Project Number: 841106.02 and 841104.02
Contractor's Name: _____

List of Subcontractors; Costs

The Bidder is required to identify each Subcontractor and the Subcontractor's cost. Do not list alternate subcontractors for the same work. The Contractor shall list only one subcontractor for each such portion of Work as is defined by the Contractor in his bid. Contractor shall not substitute any person as subcontractor in the place of a subcontractor listed below, except as provided in Document 100.

The Bidder understands that if Bidder fails to specify a subcontractor for any portion of the Work to be performed under the contract or specifies more than one subcontractor for the same portion of the Work, Bidder shall be deemed to have agreed that Bidder is fully qualified to perform that portion and cannot sublet or subcontract that portion of the Work, except as provided in Document 100.

Subcontractor: _____
Amount: _____ (\$ _____)
(words)

Subcontractor: _____
Amount: _____ (\$ _____)
(words)

Subcontractor: _____
Amount: _____ (\$ _____)
(words)

Subcontractor: _____
Amount: _____ (\$ _____)
(words)

Subcontractor: _____
Amount: _____ (\$ _____)
(words)

Subcontractor: _____
Amount: _____ (\$ _____)
(words)

Project Number: 841106.02 and 841104.02

Contractor's Name: _____

List of Suppliers (cont.)

Each Supplier performing more than _____% of the Total Bid shall also be furnished. . Do not list alternate suppliers for the same work.

Supplier Name: _____
Material: _____

Supplier Name: _____
Material: _____

Supplier Name: _____
Material: _____

Supplier Name: _____
Material: _____

Supplier Name: _____
Material: _____

Supplier Name: _____
Material: _____

Supplier Name: _____
Material: _____

Supplier Name: _____
Material: _____

Supplier Name: _____
Material: _____

Supplier Name: _____
Material: _____

Supplier Name: _____
Material: _____

Performance Bond

Any singular reference to Contractor, Surety, Owner of other party shall be considered plural where applicable.

CONTRACTOR (Name and Address):

SURETY (Name and Address of Principal Place of Business):

OWNER (Name and Address): City of Topeka
215 SE 7th Street
Topeka, KS 66603

CONTRACT

Date:

Amount:

Description (Name and Location): City of Topeka UBAS 2026 Project 841106.02.

BOND

Date (Not earlier than Contract Date):

Amount:

Modifications to this Bond Form:

Surety and Contractor, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Performance Bond to be duly executed on its behalf by its authorized officer, agent or representative.

CONTRACTOR AS PRINCIPAL

Company: _____ (Corp. Seal)

Signature: _____

Name and Title:

SURETY

Company: _____ (Corp. Seal)

Signature: _____

Name and Title:

(Attach Power of Attorney)

(Space is provided below for signatures of additional parties, if required.)

CONTRACTOR AS PRINCIPAL

Company: _____ (Corp. Seal)

Signature: _____

Name and Title:

SURETY

Company: _____ (Corp. Seal)

Signature: _____

Name and Title:

EJCDC No. 1910-28-A (1996 Edition)

Originally prepared through the joint efforts of the Surety Association of America, Engineers Joint Contract Documents Committee, the Associated General Contractors of America, and the American Institute of Architects.

1. The CONTRACTOR and the Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Owner for the performance of the Contract, which is incorporated herein by reference.

2. If the CONTRACTOR performs the Contract, the Surety and the CONTRACTOR have no obligation under this Bond, except to participate in conferences as provided in paragraph 3.1.

3. If there is no OWNER Default, the Surety's obligation under this Bond shall arise after:

3.1. The OWNER has notified the CONTRACTOR and the Surety at the addresses described in paragraph 10 below, that the OWNER is considering declaring a CONTRACTOR Default and has requested and attempted to arrange a conference with the CONTRACTOR and the Surety to be held not later than fifteen days after receipt of such notice to discuss methods of performing the Contract. If the OWNER, the CONTRACTOR and the Surety agree, the CONTRACTOR shall be allowed a reasonable time to perform the Contract, but such an agreement shall not waive the OWNER's right, if any, subsequently to declare a CONTRACTOR Default; and

3.2. The OWNER has declared a CONTRACTOR Default and formally terminated the CONTRACTOR's right to complete the Contract. Such CONTRACTOR Default shall not be declared earlier than twenty days after the CONTRACTOR and Surety have received notice as provided in paragraph 3.1; and

3.3. The OWNER has agreed to pay the Balance of the Contract Price to:

3.3.1. The Surety in accordance with the terms of the Contract;

3.3.2. Another contractor selected pursuant to paragraph 4.3 to perform the Contract.

4. When the OWNER has satisfied the conditions of paragraph 3, the Surety shall promptly and at the Surety's expense take one of the following actions:

4.1. Arrange for the CONTRACTOR, with consent of the OWNER, to perform and complete the Contract; or

4.2. Undertake to perform and complete the Contract itself, through its agents or through independent contractors; or

4.3. Obtain bids or negotiated proposals from qualified contractors acceptable to the OWNER for a contract for performance and completion of the Contract, arrange for a contract to be prepared for execution by the OWNER and the contractor selected with the OWNER's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the Bonds issued on the Contract, and pay to the OWNER the amount of damages as described in paragraph 6 in excess of the Balance of the Contract Price incurred by the OWNER resulting from the CONTRACTOR Default; or

4.4. Waive its right to perform and complete, arrange for completion, or obtain a new contractor and with reasonable promptness under the circumstances;

4.4.1. After investigation, determine the amount for which it may be liable to the OWNER and, as soon as practicable after the amount is determined, tender payment therefor to the OWNER; or

4.4.2. Deny liability in whole or in part and notify the OWNER citing reasons therefor.

5. If the Surety does not proceed as provided in paragraph 4 with reasonable promptness, the Surety shall be deemed to be in default on this Bond fifteen days after receipt of an additional written notice from the OWNER to the Surety demanding that the Surety perform its obligations under this Bond, and the OWNER shall be entitled to enforce any remedy available to the OWNER. If the Surety proceeds as provided in paragraph 4.4, and the OWNER refuses the payment tendered or the Surety has denied liability, in

whole or in part, without further notice the OWNER shall be entitled to enforce any remedy available to the OWNER.

6. After the OWNER has terminated the CONTRACTOR's right to complete the Contract, and if the Surety elects to act under paragraph 4.1, 4.2, or 4.3 above, then the responsibilities of the Surety to the OWNER shall not be greater than those of the CONTRACTOR under the Contract, and the responsibilities of the OWNER to the Surety shall not be greater than those of the OWNER under the Contract. To a limit of the amount of this Bond, but subject to commitment by the OWNER of the Balance of the Contract Price to mitigation of costs and damages on the Contract, the Surety is obligated without duplication for:

6.1. The responsibilities of the CONTRACTOR for correction of defective Work and completion of the Contract;

6.2. Additional legal, design professional and delay costs resulting from the CONTRACTOR's Default, and resulting from the actions or failure to act of the Surety under paragraph 4; and

6.3. Liquidated damages, or if no liquidated damages are specified in the Contract, actual damages caused by delayed performance or non-performance of the CONTRACTOR.

7. The Surety shall not be liable to the OWNER or others for obligations of the CONTRACTOR that are unrelated to the Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than the OWNER or its heirs, executors, administrators, or successors.

8. The Surety hereby waives notice of any change, including changes of time, to the Contract or to related subcontracts, purchase orders and other obligations.

9. Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the Work or part of the Work is located and shall be instituted within two years after CONTRACTOR Default or within two years after the CONTRACTOR ceased working or within two years after the Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

10. Notice to the Surety, the OWNER or the CONTRACTOR shall be mailed or delivered to the address shown on the signature page.

11. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the Contract was performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted here from and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

12. Definitions.

12.1. Balance of the Contract Price: The total amount payable by the OWNER to the CONTRACTOR under the Contract after all proper adjustments have been made, including allowance to the CONTRACTOR of any amounts received or to be received by the OWNER in settlement of insurance or other Claims for damages to which the CONTRACTOR is entitled, reduced by all valid and proper payments made to or on behalf of the CONTRACTOR under the Contract.

12.2. Contract: The agreement between the OWNER and the CONTRACTOR identified on the signature page, including all Contract Documents and changes thereto.

12.3. CONTRACTOR Default: Failure of the CONTRACTOR, which has neither been remedied nor waived, to perform or otherwise to comply with the terms of the Contract.

12.4. OWNER Default: Failure of the OWNER, which has neither been remedied nor waived, to pay the CONTRACTOR as required by the Contract or to perform and complete or comply with the other terms thereof.

(FOR INFORMATION ONLY---Name, Address and Telephone)
AGENT or BROKER: OWNER'S REPRESENTATIVE (Engineer or other party):

Payment Bond

Any singular reference to Contractor, Surety, Owner of other party shall be considered plural where applicable.

CONTRACTOR (Name and Address):

SURETY (Name and Address of Principal Place of Business):

OWNER (Name and Address): City of Topeka
215 SE 7th Street
Topeka, KS 66603

CONTRACT

Date:

Amount:

Description (Name and Location): City of Topeka UBAS 2026 Project 841106.02.

BOND

Date (Not earlier than Contract Date):

Amount:

Modifications to this Bond Form:

Surety and Contractor, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Performance Bond to be duly executed on its behalf by its authorized officer, agent or representative.

CONTRACTOR AS PRINCIPAL

Company: _____ (Corp. Seal)

Signature: _____

Name and Title:

SURETY

Company: _____ (Corp. Seal)

Signature: _____

Name and Title:

(Attach Power of Attorney)

(Space is provided below for signatures of additional parties, if required.)

CONTRACTOR AS PRINCIPAL

Company: _____ (Corp. Seal)

Signature: _____

Name and Title:

SURETY

Company: _____ (Corp. Seal)

Signature: _____

Name and Title:

EJCDC No. 1910-28-B (1996 Edition)

Originally prepared through the joint efforts of the Surety Association of America, Engineers Joint Contract Documents Committee, the Associated General Contractors of America, and the American Institute of Architects.

1. The CONTRACTOR and the Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the OWNER to pay for labor, materials and equipment furnished for use in the performance of the Contract, which is incorporated herein by reference.

2. With respect to the OWNER, this obligation shall be null and void if the CONTRACTOR:

2.1. Promptly makes payment, directly or indirectly, for all sums due Claimants, and

2.2. Defends, indemnifies and holds harmless the OWNER from all claims, demands, liens or suits by any person or entity who furnished labor, materials or equipment for use in the performance of the Contract, provided the OWNER has promptly notified the CONTRACTOR and the Surety (at the addresses described in paragraph 12) of any claims, demands, liens or suits and tendered defense of such claims, demands, liens or suits to the CONTRACTOR and the Surety, and provided there is no OWNER Default.

3. With respect to Claimants, this obligation shall be null and void if the CONTRACTOR promptly makes payment, directly or indirectly, for all sums due.

4. The Surety shall have no obligation to Claimants under this Bond until:

4.1. Claimants who are employed by or have a direct contract with the CONTRACTOR have given notice to the Surety (at the addresses described in paragraph 12) and sent a copy, or notice thereof, to the OWNER, stating that a claim is being made under this Bond and, with substantial accuracy, the amount of the claim.

4.2. Claimants who do not have a direct contract with the CONTRACTOR:

1. Have furnished written notice to the CONTRACTOR and sent a copy, or notice thereof, to the OWNER, within 90 days after having last performed labor or last furnished materials or equipment included in the claim stating, with substantial accuracy, the amount of the claim and the name of the party to whom the materials were furnished or supplied or for whom the labor was done or performed; and

2. Have either received a rejection in whole or in part from the CONTRACTOR, or not received within 30 days of furnishing the above notice any communication from the CONTRACTOR by which the CONTRACTOR had indicated the claim will be paid directly or indirectly; and

3. Not having been paid within the above 30 days, have sent a written notice to the Surety and sent a copy, or notice thereof, to the OWNER, stating that a claim is being made under this Bond and enclosing a copy of the previous written notice furnished to the CONTRACTOR.

5. If a notice required by paragraph 4 is given by the OWNER to the CONTRACTOR or to the Surety, that is sufficient compliance.

6. When the Claimant has satisfied the conditions of paragraph 4, the Surety shall promptly and at the Surety's expense take the following actions:

6.1. Send an answer to the Claimant, with a copy to the OWNER, within 45 days after receipt of the claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed.

6.2. Pay or arrange for payment of any undisputed amounts.

7. The Surety's total obligation shall not exceed the amount of this Bond, and the amount of this Bond shall be credited for any payments made in good faith by the Surety.

8. Amounts owed by the OWNER to the CONTRACTOR under the Contract shall be used for the performance of the Contract and to satisfy claims, if any, under any Performance Bond. By the CONTRACTOR furnishing and the OWNER accepting this Bond, they agree that all funds earned by the CONTRACTOR in the performance of the Contract are dedicated to satisfy obligations of the CONTRACTOR and the Surety under this Bond, subject to the OWNER's priority to use the funds for the completion of the Work.

9. The Surety shall not be liable to the OWNER, Claimants or others for obligations of the CONTRACTOR that are unrelated to the Contract. The OWNER shall not be liable for payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligations to make payments to, give notices on behalf of, or otherwise have obligations to Claimants under this Bond.

10. The Surety hereby waives notice of any change, including changes of time, to the Contract or to related Subcontracts, purchase orders and other obligations.

11. No suit or action shall be commenced by a Claimant under this Bond other than a court of competent jurisdiction in the location in which the Work or part of the Work is located or after the expiration of one year from the date (1) on which the Claimant gave the notice required by paragraph 4.1 or paragraph 4.2.3, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

12. Notice to the Surety, the OWNER or the CONTRACTOR shall be mailed or delivered to the address shown on the signature page. Actual receipt of notice by Surety, the OWNER or the CONTRACTOR, however accomplished, shall be sufficient compliance as of the date received at the address shown on the signature page.

13. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the Contract was performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. The intent is, that this Bond shall be construed as a statutory bond and not as a common law bond.

14. Upon request of any person or entity appearing to be a potential beneficiary of this Bond, the CONTRACTOR shall promptly furnish a copy of this Bond or shall permit a copy to be made.

15. DEFINITIONS.

15.1. Claimant: An individual or entity having a direct contract with the CONTRACTOR or with a Subcontractor of the CONTRACTOR to furnish labor, materials or equipment for use in the performance of the Contract. The intent of this Bond shall be to include without limitation in the terms "labor, materials or equipment" that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental equipment used in the Contract, architectural and engineering services required for performance of the Work of the CONTRACTOR and the CONTRACTOR's Subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials or equipment were furnished.

15.2. Contract: The agreement between the OWNER and the CONTRACTOR identified on the signature page, including all Contract Documents and changes thereto.

15.3. OWNER Default: Failure of the OWNER, which has neither been remedied nor waived, to pay the CONTRACTOR as required by the Contract or to perform and complete or comply with the other terms thereof.

(FOR INFORMATION ONLY---Name, Address and Telephone)
AGENT or BROKER: OWNER'S REPRESENTATIVE (Engineer or other party):