

**BID 22-003
TORNILLO NORTH AND SOUTH**

SIDEWALKS/SUP

EL PASO COUNTY, TEXAS

TxDOT CSJ 0924-06-616, ETC

**LG PROJECT NUMBER
22-003**

**TxDOT PROJECT NUMBER
STP 2021(473)TP**



**OPENING DATE:
December 16, 2021**

Specifications adopted by the Texas Department of Transportation November 1, 2014 and specification Items listed and dated as follows shall govern this project. Required contract provisions for all Federal- Aid Construction contracts (Form FHWA 1273 May, 2012)

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**A. EL PASO COUNTY CODE OF ETHICS TRAINING
AFFIDAVIT**

El Paso County Code of Ethics Training Affidavit

(This form must be signed by an officer, principal, or individual authorized to bind the company under a contract with the County.)

IN COMPLIANCE WITH CHAPTER 161 OF THE TEXAS LOCAL GOVERNMENT CODE, ANY VENDOR INVOLVED IN A SINGLE PROCUREMENT EXCEEDING \$50,000 MUST COMPLETE THE ENCLOSED ETHICS TRAINING BEFORE SUBMITTING A BID OR PROPOSAL WITH THE COUNTY OF EL PASO.

Purpose: The stability of democracy depends upon the continuing consent of the governed, which in turn depends upon the trust the electorate holds for its government. The Ethics Commission of the County of El Paso, Texas, in concert with elected county officials, as well as leaders of the various county departments, recognizes the need to maintain the public trust and confidence in the workings of county government and thus adopts this Code of Ethics.

What is a vendor:

Any person or their representative or employee whose goods and services are purchased under the terms of a purchase order or contractual agreement with the county; and any other persons doing business with the County.

Procurement: In advising upon, discussing, recommending, and/or granting any County purchases, bids or contracts, County public servants shall inform themselves about their financial interests, and shall make a reasonable effort to inform themselves about the financial interest of their family members.

County public servants shall excuse themselves from exercising influence, participating in, discussing, recommending, and/or granting of any County purchases, bids, or contracts if they or a family member have a substantial financial interest.

Private Communication: No member of the El Paso County Commissioners Court, County Elected Officials/Department Heads or the El Paso County Hospital District Board of Managers shall permit any vendor, its lobbyists, representative, or employee to communicate with him privately regarding any procurement of items by the County or the Hospital District from the date that the bid, RFP, or RFQ is authorized or released, whichever is first. No private communication regarding the purchase shall be permitted by a member of the Commissioners Court, a county elected official/department head, or

El Paso County Code of Ethics Training Affidavit (continued)

the hospital district board of managers until the procurement process is complete and a purchase order is granted or a contract is entered into.

Members of the Commissioners Court, county elected officials/department heads and the board of managers shall make a reasonable effort to inform themselves regarding procurements and shall have a duty to inquire of vendors, their lobbyists, representatives, or employees, the nature of the private communication being sought prior to engaging in any communication.

This prohibition against private communication with vendors, their lobbyists, representatives, or employees shall apply to commissioner's court approval of hospital district purchases.

I _____ am an officer, principal, or individual
(Full Name)
authorized to bind the company, known as

(Company name)

By reading and signing this document, I confirm that I have been trained in the County of El Paso's Code of Ethics regarding Vendors. I understand that any contact by myself or any representative of the company with a County of El Paso official or county employee, other than those shown on the RFP or bid documents shall cause the bid or proposal to be immediately disqualified from consideration of award.

Name _____

Title _____

Company Name _____

Address _____

Signature _____

Date _____

B. INVITATION FOR BIDS

INVITATION FOR BIDS

DUE TO THE CURRENT DISASTER DECLARATION

The County of El Paso will receive Bids for **Tornillo North and South Sidewalks/ SUP**, until 2:00 p.m., on **Thursday, December 16, 2021**. All bids must be submitted in a sealed envelope before the due date to the El Paso County Purchasing Department, located at 800 East Overland, Rm 300 El Paso, Texas 79901 at which time and place all bids will be publicly opened and read aloud. **No in-person submittals are allowed. Vendors must mail via USPS or third-party carrier (i.e. Fed-Ex/UPS). The County of El Paso is not responsible for late deliveries of any kind or any reason.**

DUE TO THE CURRENT DISASTER DECLARATION

Note: Due to the County of El Paso Declaration of Local Disaster for the Public Health Emergency regarding COVID-19, The County Courthouse and all County Buildings and Facilities have closed to the public effective Monday, March 23, 2020 until further notice.

While all County buildings are closed to the public, all scheduled bid openings will occur via live video feed at the County YouTube Channel

https://www.youtube.com/channel/UCXwcq_JYs28xwL14oGAVPZg/videos.

During the live broadcast, citizens may call in at telephone (915) 546-2048 ext.4529. Allow for a 10-second delay during the live broadcast.

The project consists of but is not limited to the following:

Provide additional sidewalk and shared use path to enhance bicycle and pedestrian safety and provide connectivity for the Tornillo community. Two separate projects, Tornillo North sidewalks (CSJ 0924-06-617) and Tornillo South (CSJ 0924-06-616), will be combined under this contract.

Do not contact the requesting department. Any questions or additional information required by interested vendors must be emailed to: bidquestions@epcounty.com before **Thursday, December 2, 2021**, at 12:00 p.m. Bid number and title must be on the "Subject Line" of the email. Attempts to circumvent this requirement may result in rejection of the proposal as non-compliant.

Any changes in the specifications will be posted on the County website as an addendum. It will be the proposer's responsibility to check the website prior to the bid opening date to verify whether any addendums have been posted. Website: www.epcounty.com; click button labeled "Directory", search for and select "Purchasing", click on button labeled "List of Bids".

A certified cashier's check, payable to the order of County of El Paso or a satisfactory Bid Bond in the amount equal to five percent (5%) of the total contract price, executed with a surety company authorized to do business in the State of Texas and must be included in the bid package.

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

The County of El Paso reserves the right to reject any or all Bids or to waive any technicalities in the bidding.

Bids may be held by the County of El Paso for a period not to exceed ninety (90) days, or such longer time as may be required by the funding agencies, from the date of the bid opening for the purpose of reviewing the Bids and investigating the qualifications (see item 2L and 3L) of Bidders, prior to awarding of the Contract.

C. MEMORANDUM TO ALL VENDORS



EL PASO COUNTY PURCHASING DEPARTMENT
800 E. OVERLAND AVE., ROOM 300
EL PASO, TEXAS 79901
(915) 546-2048 FAX: (915) 546-8180

Memorandum

To: All Vendors

Subject: County Purchasing New Vendor/Bid System & Online Vendor Registration

The Purchasing Department has implemented its new bid processing vendor notification/registration system. The new system will allow vendors to register and maintain their vendor file real time without the intervention of the Purchasing Department. Vendors will maintain their address information and contact information; as well as the commodity information that the vendor wants to be considered for on County bid solicitations. Vendors will be given a choice of receiving hard copy bid notifications, or electronic notifications to the vendors designated email and/or cellular telephone text number. We hope that the changes will help our vendors receive their solicitations in a more effective and efficient manner that will benefit both the County and the vendor with more timely, accurate, competitive bids.

All vendors wishing to receive or continue to receive bid notifications must register in this new system at www.epcounty.com. /Bids & More/Vendors List. Thank you for your cooperation. If you have any questions please contact us at (915) 546-2048.

D. INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

1. BID FORMS

These Contract Documents include a complete set of bidding and contract forms, which are for the convenience of bidders.

2. INTERPRETATIONS OF ADDENDA

No oral interpretation will be made to any Bidder as to the meaning of the Contract Documents or any part thereof. Every request for such an interpretation shall be made in writing to the County of El Paso Purchasing department. Any inquiry received prior to will be given consideration. Every interpretation made to a Bidder will be in the form of an Addendum to the Contract Documents, and when issued, will be on file in the County Purchasing department at least five days before Bids are opened. In addition, all addenda will be posted on the County's website. It shall be the Bidder's responsibility to check the County website to verify if any Addenda have been issued. All such Addenda shall become part of the Contract and all Bidders shall be bound by such Addenda, whether or not received by the Bidders.

3. INSPECTION OF SITE

Each Bidder should fully acquaint him/herself with the existing conditions of the site of the proposed work relating to construction and labor, and should fully inform him/herself as to the facilities involved, the difficulties and restrictions attending the performance of the Contract. The Bidder should thoroughly examine and familiarize himself with the Drawings, Technical Specifications, and all other Contract Documents. The Contractor by the execution of the Contract shall in no way be relieved of any obligation under it due to his failure to receive or examine any form or legal instrument or to visit the site and acquaint himself with the conditions there existing and the County will be justified in rejecting any claim based on facts regarding which he should have been on notice as a result thereof.

4. ALTERNATIVE BIDS

No alternative bids will be considered unless alternative bids are specifically requested by the technical specifications.

5. BIDS

- a. All Bids must be submitted on forms supplied by the County of El Paso and shall be subject to all requirements of the Contract Documents, including the Drawings, and these INSTRUCTIONS TO BIDDERS. All Bids must be regular in every respect and no interlineations; excisions or special conditions shall be made or included in the Bid Form by the Bidder.
- b. Bid Documents including the Bid, the Bid Guarantee, the Non-Collusion Affidavit and the Statement of Bidder's Qualifications (if requested) shall be enclosed

- in envelopes (outer and inner), both of which shall be sealed and clearly labeled with the words "Bid Documents", bid number, project name, name of Bidder, and date and time of bid opening in order to guard against premature opening of the Bid.
- c. The County may consider as irregular any Bid on which there is an alteration of or departure from the Bid Form hereto attached and at its option may reject the same.
 - d. If the Contract is awarded, the County will award it to a responsible Bidder on the basis of the lowest bid as provided by law and the selected Alternative Bid items, if any. The Contract will require the completion of the work according to the Contract Documents.

6. BID GUARANTEE

- a. The Bid Guarantee shall ensure the execution of the Agreement and the furnishing of the surety bond or bonds by the successful Bidder, all as required by the Contract Documents.
- b. Revised Bids submitted before the opening of bids, whether forwarded by mail, if representing an increase in excess of two percent (2%) of the original Bid, must have the Bid Guarantee adjusted accordingly; otherwise the Bid will not be considered.
- c. Certified cashier's checks or the amount thereof, Bid bonds of unsuccessful Bidders will be returned as soon as practical after the opening of the Bids.

7. COLLUSIVE AGREEMENTS

- a. Each Bidder submitting a Bid to The County for any portion of the work contemplated by the documents on which bidding is based shall execute and attach thereto, an affidavit substantially in the form herein provided, to the effect that he has not entered into a collusive agreement with any other person, firm, or corporation in regard to any Bid submitted.
- b. Before executing any subcontract the successful Bidder shall submit the name of any proposed subcontractor for prior approval in a notarized affidavit.

8. CONTRACT PRICE QUOTES

A lump sum quote must be submitted. However, for changing quantities of work items from those indicated by the contract drawings, a breakdown of the lump sum quote into unit prices shall also be provided. These unit prices shall include all labor, materials, bailing, shoring, removal, overhead, profit, insurance, etc., to cover the

finished work of the several kinds called for. Any changes shall be processed in accordance with the GENERAL CONDITIONS. The net monetary values of such additive and subtractive changes, if any, shall not increase the original contract price by more than twenty-five (25%), unless required to comply with a new law, rule, regulation, or judicial decision. The original contract price shall not be decreased by eighteen (18%) or more without the consent of the contractor. There is an exception to these for work not covered in the drawings and technical specifications as provided.

9. CORRECTIONS

Erasures or other changes in the contractor's bid response must be explained or noted over the signature of the Bidder.

10. TIME FOR RECEIVING BIDS

- a. Bids received prior to the advertised hour of opening will be securely kept sealed. The officer whose duty it is to open them will decide when the specified time has arrived, and no Bid received thereafter will be considered under any circumstances.

11. OPENING OF BIDS

At the time and place fixed for the opening of Bids, the County will cause to be opened and publicly read aloud every Bid received within the time set for receiving Bids, irrespective of any technicalities therein. Bidders and other persons properly interested may be present, in person or by representative.

12. WITHDRAWAL OF BIDS

Bids may be withdrawn on written request dispatched by the Bidder in time for delivery in the normal course of business to the time fixed for opening. The bid guarantee of any Bidder withdrawing his Bid in accordance with the foregoing conditions will be returned promptly.

13. AWARD OF CONTRACT: REJECTION OF BIDS

- a. The contract will be awarded to the responsible Bidder submitting the lowest Bid complying with the conditions of the Invitation for Bids and applicable law. The Bidder to whom the award is made will be notified at the earliest possible date. The County, however, reserves the right to reject any and all Bids and to waive any technicality in Bids received whenever such rejection or waiver is in its interest.
- b. The County reserves the right to consider as unqualified to do the work of general construction any Bidder who does not habitually perform with his own forces the major portions of the work involved in construction of the improvements embraced in this Contract.

14. EXECUTION OF AGREEMENT: PERFORMANCE AND PAYMENT BONDS

- a. Subsequent to the award within thirty (30) days after the prescribed forms are presented for signature, the successful Bidder shall execute and deliver to the County an Agreement in substantially the form included in the Contract Documents in such number of copies as the County may require. If the Bidder objects to any provision in the form contract, it should be noted in the bid and suggested alternate language proposed.
- b. Having satisfied all conditions of award as set forth elsewhere in these documents, the successful Bidder shall, within ten (10) days of notice of award, furnish two (2) surety bonds, each in a penal sum of 100% of the amount of the Contract. A **Performance Bond** shall serve as security for the faithful performance of the Contract. A **Payment Bond** shall serve as surety for the payment of all persons, firms, or corporations to whom the Contractor may become legally indebted for labor, materials, tools, equipment, or services of any nature including utility and transportation services, employed or used by him in performing the work. Such bonds shall be in the same form as those included in the Contract documents and shall bear the same date as, or a date subsequent to that of the Agreement. The current power of attorney for the person who signs for any surety company shall be attached to such bonds. These bonds shall be signed by a surety company listed in the latest issue of the U.S. Treasury Circular 570 and such surety must be authorized to do business in Texas in accordance with the provisions of Government Code Section 2253.001 et seq. The penal sums shall be within the maximum specified for such company in said Circular 570.
- c. The failure of the successful Bidder to execute such Agreement and to supply the required bond or bonds within thirty (30) days after the prescribed forms are presented for signature, or within such extended period as the County may grant, based upon reasons determined sufficient by the County, shall constitute a default, and the County may either award the Contract to the next lowest responsible Bidder or re-advertise for Bids, and may charge against the Bidder the difference between the amount of the Bid and the amount for which a Contract for the work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the Bid Bond. If a more favorable Bid is received by re-advertising the defaulting Bidder shall have no claim against the County for a refund.

15. EQUAL EMPLOYMENT OPPORTUNITY

Attention of Bidders is particularly called to the requirement for ensuring that employees and applicants for employment are not discriminated against because of their race, color, religion, sex or national origin.

E. SCOPE OF WORK

Bid 22-003
Tornillo North and South Sidewalks/SUP
TxDOT CSJ 0924-06-617 and CSJ 0924-06-616

SCOPE OF WORK

The County of El Paso has elected to provide additional sidewalk and shared use path to enhance bicycle and pedestrian safety and provide connectivity for the Tornillo community. Two separate projects, Tornillo North sidewalks (CSJ 0924-06-617) and Tornillo South sidewalks/sup (CSJ 0924-06-616), will be combined under this contract.

For the Tornillo North sidewalks project (CSJ 0924-06-617), El Paso County is proposing to add sidewalk along one side of Drake Street, Old Mill Drive, and Los Coyotes Drive in Tornillo, Texas. Work consists of removing existing driveways, curb, and sidewalks, gates, signs to include excavation, manhole adjustments, etc. Install new sidewalk, driveways, curb and gutter, ramps, signs, gates and other items shown on the plans.

For the Tornillo South sidewalks/sup project (CSJ 0924-06-616), El Paso County is proposing to add sidewalk along one side of Cobb Avenue, Florinda Drive, Linda Drive, Florella Drive, 2nd Street, and a 10' wide shared use path on 3rd Street in Tornillo, Texas. Work consists of removing existing driveways, curb, sidewalks, fence, bollards, signs, excavation, and other items shown on the plans. Install new sidewalk, curb and gutter, ramps, signs, gates, pavement widening and markings and other items as shown on the plans.

END SCOPE OF WORK

F. BID PRICE SHEET



BID PRICE SHEET

BID 22-003 TORNILLO NORTH AND SOUTH SIDEWALKS/SUP

Vendor must meet or exceed specifications

Do not include tax, as the County is tax-exempt. The County will sign tax exemption certificates covering these items. Submit one (1) original copy, one hard copy and two (2) electronic copies in Word/PDF Format of your bid. The electronic copies must reflect the original hard copy.

Tornillo South Shared Use Path – Base Bid I

NO.	ITEM -CODE		BRIEF DESCRIPTION OF ITEM	UNIT	APPROX. QTY.	UNIT PRICE	TOTAL AMOUNT	DEPT USE ONLY
	ITEM - NO.	S.P. NO.						
BASE BID I UNIT PRICE SCHEDULE								
TXDOT CSJ: 0924-06-616								
1	100 6002		PREPARING ROW	STA	67			
2	104 6017		REMOVING CONC (DRIVEWAYS)	SY	30			
3	104 6021		REMOVING CONC (CURB)	LF	35			
4	104 6067		REMOVING CONC (SAWCUT)	LF	1,178			
5	110 6001		EXCAVATION (ROADWAY)	CY	762			
6	247 6041		FL BS (CMP IN PLC)(TY A GR1-2)(FNAL POS)	CY	170			
7	251 6034		REWORK BS MTL (TY C)(8")(ORD COMP)	SY	850			
8	310 6014		PRIME COAT (SS-1H)	GAL	403			
9	340 6050		D-GR HMA (SQ) TY-C PG70-22	TON	4			
10	340 6122		D-GR HMA (SQ) TY-D PG70-22	TON	87			
11	400 6012		CUT AND RESTORE PAV (FLEX BASE)	SY	133			
12	416 6002		DRILL SHAFT (24 IN)	LF	30			
13	479 6005		ADJUST MANHOLE (WATER VALVE BOX)	EA	1			
14	496 6032		REMOV STR (ROCKWALL)	EA	1			
15	496 6030		REMOV STR (BOLLARD)	EA	2			
16	496 6043		REMOV STR (SMALL FENCE)	LF	149			
17	500 6001		MOBILIZATION	LS	1			
18	502 6001		BARRICADES, SIGNS, AND TRAFFIC HANDLING	MO	9			

19	506 6038		TEMP SEDMT CONT FENCE (INSTALL)	LF	722			
20	506 6039		TEMP SEDMT CONT FENCE (REMOVE)	LF	722			
21	529 6008		CONC CURB & GUTTER (TY II)	LF	521			
22	529 6003		CONC CURB (TY IIA)	LF	281			
23	529 6036		CONCRETE SPECIAL CURB	LF	2180			
24	530 6004		DRIVEWAYS (CONC)	SY	163			
25	531 6003		CONC SIDEWALKS (6")	SY	3406			
26	531 6005		CURB RAMPS (TY 2)	EA	5			
27	531 6010		CURB RAMPS (TY 7)	EA	17			
28	531 6034		CURB RAMPS (TY 7)(MOD)	EA	2			
29	550 6001		CHAIN LINK FENCE (INSTALL)(6')	LF	101			
30	550 6003		CHAIN LINK FENCE (REMOVE)	LF	119			
31	550 6014		CHAIN LINK FENCE GATE (INSTALL)(6X18)	EA	1			
32	644 6001		IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	16			
33	644 6004		IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	19			
34	644 6076		REMOVE SM RD SN SUP&AM	EA	14			
35	666 6048		REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	882			
36	666 6102		REF PAV MRK TY I(W)36"(YLD TRI)(100MIL)	EA	17			
37	666 6230		PAVEMENT SEALER 24"	LF	882			
38	677 6007		ELIM EXT PAV MRK & MRKS (24")	LF	517			
39	678 6008		PAV SURF PREP FOR MRK (24")	LF	882			
40	9606 6053		LAW ENFORCEMENT PERSONNEL	DOL	3,200			
41	ELP1		FIXED BOLLARDS	EA	4			
42	ELP2		PEDESTRIAN ILLUMINATION ASSEMBLIES	EA	5			
Total BASE BID I; (Items 1-42)						Total:		

Company

Mailing Address

Federal Tax Identification No.

City, State, Zip Code

DUNS Number (Applicable to Grant
Funded Project)

Representative Name & Title

Telephone Number include area code

Signature

Fax Number include area code

Date

Email Address



BID 22-003
TORNILLO NORTH AND
SOUTH SIDEWALKS/SUP

Vendor must meet or exceed specifications

Please do not include tax, as the County is tax-exempt. The County will sign tax exemption certificates covering these items.

Tornillo North Shared Use Path – Base Bid II

NO.	ITEM -CODE		BRIEF DESCRIPTION OF ITEM	UNIT	APPROX. QTY.	UNIT PRICE	TOTAL AMOUNT	DEPT USE ONLY
	ITEM - NO.	S.P. NO.						
BASE BID II UNIT PRICE SCHEDULE								
TXDOT CSJ: 0924-06-617								
1	100 6002		PREPARING ROW	STA	84			
2	104 6015		REMOVING CONC (SIDEWALKS)	SY	15			
3	104 6017		REMOVING CONC (DRIVEWAYS)	SY	51			
4	104 6021		REMOVING CONC (CURB)	LF	568			
5	104 6067		REMOVING CONC (SAWCUT)	LF	617			
6	110 6001		EXCAVATION (ROADWAY)	CY	748			
7	479 6001		ADJUST MANHOLE	EA	1			
8	479 6005		ADJUST MANHOLE (WATER VALVE BOX)	EA	2			
9	479 6008		ADJUST MANHOLE (WATER METER)	EA	6			
10	479 6010		ADJUST MANHOLE (ELECTRIC BOX)	EA	2			
11	500 6001		MOBILIZATION	LS	1			
12	502 6001		BARRICADES, SIGNS, AND TRAFFIC HANDLING	MO	5			
13	506 6038		TEMP SEDMT CONT FENCE (INSTALL)	LF	2,991			
14	506 6039		TEMP SEDMT CONT FENCE (REMOVE)	LF	2,991			
15	529 6008		CONC CURB & GUTTER (TY II)	LF	605			
16	531 6003		CONC SIDEWALKS (6")	SY	4477			
17	531 6005		CURB RAMPS (TY 2)	EA	2			
18	531 6010		CURB RAMPS (TY 7)	EA	18			
19	550 6015		REMOVE AND INSTALL EXISTING GATE	EA	3			

20	644 6001		IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	11			
21	644 6004		IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	11			
22	644 6076		REMOVE SM RD SN SUP&AM	EA	10			
23	666 6048		REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	702			
24	666 6230		PAVEMENT SEALER 24"	LF	702			
25	677 6005		ELIM EXT PAV MRK & MRKS (12")	LF	185			
26	678 6008		PAV SURF PREP FOR MRK (24")	LF	702			
27	9606 6053		LAW ENFORCEMENT PERSONNEL	DOL	1,600			
Total BASE BID II; (Items 1-27)						Total:		

Base Bid I Total: _____
Base Bid II Total: _____
Total of Base Bid I & II Combined: _____

Company

Mailing Address

Federal Tax Identification No.

City, State, Zip Code

DUNS Number (Applicable to Grant
Funded Project)

Representative Name & Title

Telephone Number include area code

Signature

Fax Number include area code

Date

Email Address

G. ADDENDUM ACKNOWLEDGEMENT

ADDENDUM ACKNOWLEDGMENT

Each bidder is required to acknowledge receipt of an addendum issued for a specific project. This page is provided for the purpose of acknowledging an addendum.

FAILURE TO ACKNOWLEDGE RECEIPT OF AN ADDENDUM WILL RESULT IN THE BID NOT BEING READ.

In order to properly acknowledge an addendum place a mark in the box next to the respective addendum.

ADDENDUM NO. 1
ADDENDUM NO. 2
ADDENDUM NO. 3
ADDENDUM NO. 4
ADDENDUM NO. 5

In addition, the bidder by affixing their signature to the signature page of the proposal is acknowledging that they have taken the addendum(s) into consideration when preparing their bid and that the information contained in the addendum will be included in the contract, if awarded by the El Paso County or other designees.

LGP Addendum Request Form

Project Information

Letting Date:		Local Government:	
CSJ:		Highway:	
Project Number:		County:	
Current Engineer's			

Addendum Requirements

- The competitiveness of the bid would be in jeopardy if the changes were not made.
- The quantities are in error to a degree that it could affect the letting outcome, or place the Department at a disadvantage in negotiating significant corrections after contract award.
- The bid documents would not be substantially representative of the project unless the change is made.

Elements To Be Revised by Addendum

*** Attach to this request revised plan sheets and markups of any other elements to be revised ***

- Proposal Cover
- Estimate/Bid Inserts
- General Notes
- Spec List
- Plan Sheets

Estimated total change to the Engineer's Estimate: _____

DBE goal Re-evaluation

A DBE goal re-evaluation by Civil Rights Division is required if the sum of the absolute values of proposed changes to the engineer's estimate totals more than \$100,000.

For example, if an item totaling \$50,000 is removed from the estimate, and another item totaling \$50,000 is added to the estimate, the sum of the absolute values of the changes is \$100,000. Therefore, a re-evaluation of the DBE goal is required.

Is DBE goal re-evaluation required for this project?* Yes No

*** Attach a draft of the Post-Release Estimate Change Log or equivalent detailed summary of estimate changes ***

Approval

Approved by: District Engineer

Date

H. PROPOSAL FORM

PROPOSAL FORM

TEXAS DEPARTMENT OF TRANSPORTATION 2014 SPECIFICATIONS WORK CONSISTING OF STREET IMPROVEMENTS EL PASO COUNTY, TEXAS

The quantities in the proposal are approximate. The quantities of work and materials may be increased or decreased as considered necessary to complete the work as shown on plans.

This project is to be completed in 280 working days and will be accepted when fully completed and finished to the satisfaction of the Executive Director or designee. This project will be a standard work week.

Provide a proposal guaranty in the form of a Cashier's Check, Teller's Check (including an Official Check) or Bank Money Order on a State or National Bank or Savings and Loan Association, or State or Federally chartered Credit Union made payable to the El Paso County in the following amount:

FIFTY THOUSAND (Dollars) **(\$50,000)**

A bid bond may be used as the required proposal guaranty. The bond form may be detached from the proposal for completion. The proposal may not be disassembled to remove the bond form. The bond must be in accordance with Item 2L of the general requirements.

Any addenda issued amending this proposal and/or the plans that have been acknowledged by the bidder, become part of this proposal.

By signing the proposal the bidder certifies:

1. the only persons or parties interested in this proposal are those named and the bidder has not directly or indirectly participated in collusion, entered into an agreement or otherwise taken any action in restraint of free competitive bidding in connection with the above captioned project.
2. in the event of the award of a contract, the organization represented will secure bonds for the full amount of the contract.
3. the signatory represents and warrants that they are an authorized signatory for the organization for which the bid is submitted and they have full and complete authority to submit this bid on behalf of their firm.
4. that the certifications and representations contained in the proposal are true and accurate and the bidder intends the proposal to be taken as a genuine government record.

• **Signed: ****

(1) _____ (2) _____ (3) _____

Print Name:

(1) _____ (2) _____ (3) _____

Title:

(1) _____ (2) _____ (3) _____

Company:

(1) _____ (2) _____ (3) _____

• Signatures to comply with Item 2L of the specifications.

**Note: Complete (1) for single venture, through (2) for joint venture and through (3) for triple venture.

* **When the working days field contains an asterisk (*) refer to the Special Provisions and General Notes. Notes.**

I. NOTICE TO CONTRACTORS

NOTICE TO CONTRACTORS

UNIT PRICES MUST BE SUBMITTED IN ACCORDANCE WITH ITEM 2L FOR EACH ITEM LISTED IN THIS PROPOSAL.

K. CONTRACT AGREEMENT

J. BID BOND

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we the undersigned, as PRINCIPAL, AND _____, as SURETY are held and firmly bound unto hereinafter called the "El Paso County", in the penal sum of _____ Dollars, (\$ _____), lawful money of the United States, for the payment for which sum well and truly to be made we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has submitted the accompanying Bid, dated _____, 20____, for **Tornillo North and South Sidewalks/SUP.**

NOW, THEREFORE, if the Principal shall not withdraw said Bid within the period specified therein after the opening of the same, or, if no period be specified, within thirty (30) days after the said opening, and shall within the period specified therefore, or if no period by specified, within ten (10) days after the prescribed forms are presented to him for signature, enter into a written Contract with the County in accordance with the Bid as accepted, and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such contract or in the event of the withdrawal of said Bid within the period specified, or the failure to enter into such Contract and give such bond within the time specified, if the Principal shall pay the County the difference between the amount specified in said Bid and the amount for which the County may procure the required work or supplies or both, if the latter be in excess of the former, then the above obligation shall be void and of no effect, otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above-bounded parties have executed this instrument under their several seals this__day of, 20____, the name and corporate seal of each corporate party being hereto affixed and these present signed by its undersigned representative, pursuant to authority of its governing body.

(Forms of Bid Bonds prepared to meet the requirements of Local or State Laws or the needs of the County should be substituted for this form where necessary.)

Attest: _____

By: _____

Attest: _____

By: _____

Countersigned By: _____

Attorney-in-Fact, State of _____

Power-of-Attorney for person signing for the surety company must be attached to bond.

If Bidder is a Corporate, required: CERTIFICATE AS TO CORPORATE PRINCIPAL

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

_____(Corporate Seal)

_____ Title

CONTRACT AGREEMENT

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

ARTICLE 1. Statement of Work The Contractor shall furnish all supervision, technical personnel, labor, materials, machinery, tools, equipment and services, including utility and transportation services, and perform and complete all work required for the construction of the Improvements embraced in the Project, namely,

as described in the **BASE BID I and Base Bid II, and required supplemental work for the Tornillo North and South Sidewalks/SUP**, all in strict accordance with the Contract Documents including all addenda thereto, numbered, and __dated_____, all as prepared by _____

acting and in these Contract Documents Preparation, referred to as the "Engineer".

ARTICLE 2. The Contract Price The County will pay the Contractor for the performance of the Contract in current funds, for the total quantities of work performed at the Contract price stipulated in the Bid for the several respective items of work completed subject to additions and deductions as provided in Fixed Price Construction Contract.

ARTICLE 3. CONTRACT. The executed contract documents shall consist of the following:

- a. This Agreement
- b. Addenda
- c. Invitation for Bids
- d. Instructions to Bidders
- e. Signed copy of Bid
- f. General Conditions
- g. Technical Specifications
- h. Drawings (as listed in the Schedule of Drawings)
- i. Prevailing wage rates
- j. Fixed Price Construction Contract (see sample contract included in this bid)

This Agreement, together with other documents enumerated in this ARTICLE 3, which said other documents are fully a part of the Contract as if hereto attached or herein repeated forms the Contract between the parties hereto. In the event that any provision in any component part of this Contract conflicts with any provision of any other component part, the provision of the component part first enumerated in this ARTICLE 3 shall govern, except as otherwise specifically stated.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed in 4 original copies on the day and year first above written.

By

Title

By

Title

L. CONTRACTOR'S ASSURANCE

CONTRACTOR'S ASSURANCE
(Subcontracts-Federal Aid Projects)

By signing this proposal, the contractor is giving assurances that all subcontract agreements will incorporate the Standard Specification and Special Provisions to Section 9.9., Payment Provisions for Subcontractors, all subcontract agreements exceeding \$2,000 will incorporate the applicable Wage Determination Decision, and all subcontract agreements will incorporate the following:

Special Provision	Certification of Nondiscrimination in Employment
Special Provision	Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246)
Special Provision	Standard Federal Equal Employment Opportunity
Construction	Construction Specifications (Executive Order 11246)
Form FHWA 1273	Required Contract Provisions Federal-aid Construction Contracts (Form FHWA 1273 must also be physically attached to subcontracts and all lower-tier subcontracts)
Special Provision	Nondiscrimination (Include provisions of Sections 3.1 – 3.6 in all subcontracts and agreements for materials)
Special Provision	Cargo Preference Act Requirements in Federal-Aid Contracts
Special Provision	Disadvantaged Business Enterprise in Federal-Aid Contracts

M. BID BOND (LUMP SUM CONTRACT)

BID FORM (LUMP SUM CONTRACT)

Place County of El Paso Purchasing Department

Date _____

Bid 22-003 Tornillo North and South Sidewalks/SUP

Proposal of _____ (hereinafter called Bidder), a corporation organized under the laws of the State of _____ /a partnership/an individual doing business as _____ (strike out inapplicable references) and authorized to do business in

Texas. To the County of El Paso (hereinafter called Owner).

Gentlemen:

The Bidder, in compliance with your invitation for bids for the construction of the Tornillo North and South Sidewalks/SUP that consists of the following:

The project consists of but is not limited to the following:

having examined the plans and specifications with related documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby proposes to furnish all labor, materials, and supplies: and to construct the project in accordance with the Contract Documents within the time set forth herein, and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this proposal is a part.

Bidder hereby agrees to commence work under this contract on or before a date to be specified in a written "Notice to Proceed: of the Owner and to fully complete the project within **270** working days thereafter as stipulated in the specifications. Bidder further agrees to pay as liquidated damages, the sum of **\$ 1,307.39** for each consecutive calendar day thereafter as hereinafter provided in the GENERAL CONDITIONS.

Bidder acknowledges receipt of the following addenda:

Date

Addendum Number

N. UNIT PRICES

UNIT PRICES

For changing quantities of work items from those indicated by the contract drawings upon written instructions from the architect/engineer, the following unit prices shall prevail:

The above unit prices shall include all labor, materials, bailing, shoring, removal, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for. Changes shall be processed in accordance with the GENERAL CONDITIONS.

Bidder understands that the Owner reserves the right to reject any or all bids and to waive any technicalities in the bidding.

The bidder agrees that this bid shall be good and may not be withdrawn for a period of 30 calendar days after the scheduled closing time for receiving bids.

Upon receipt of Owner's written acceptance of this bid, Bidder will execute the formal contract attached within 7 days and deliver a Payment Bond, a Performance Bond, and Insurance Certificate(s) as required by the GENERAL CONDITIONS.

The bid security attached in the sum of _____ (_____) is to become the property of the Owner in the event the contract and bonds are not executed within the time above set forth, as liquidated damages for the delay and additional expense to the Owner caused thereby.

Respectfully submitted:

By

TITLE

O. GENERAL NOTES

CONTROL: CSJ 0924-06-616, ETC

COUNTY: EL PASO

HIGHWAY: VARIOUS

General Notes:

General Requirements

The project consists of the construction of sidewalks along Drake Street, Oil Mill Road, and Los Coyotes Drive, Cobb Avenue, Florinda Drive, Linda Drive, Florella Drive, 2nd Street, and a Shared Use Path (SUP) on 3rd Street. The project includes ADA ramps, striping, curbs, illumination, signs, pavement widening, crosswalks, and driveways.

Maintain the entire project area in a neat and orderly manner throughout the duration of the work. Remove all construction litter and undesirable vegetation within the right of way inside the project limits subsidiary to the various bid Items.

Become familiar with project site prior to submitting bids.

Where night-time work is approved by The County of El Paso, provide adequate lighting for the entire work site as directed, subsidiary to the various bid Items.

Comply with all Occupational Safety & Health Administration (OSHA) and United States Environmental Protection Agency (EPA) regulations as well as all local and State requirements.

Refer to the various traffic control plan project overview sheets for the proposed sequence of work. Changes will not be permitted, except as approved in writing by the Engineer.

Known utility line conflicts are identified on the plans and have been coordinated with the respective utility company. Contractor shall maintain the traffic control during utilities adjustment and/or relocation work.

The Contractor shall inform the County of El Paso or its designated representative and the respective utility companies when it becomes apparent that an unforeseen utility line will interfere with work in progress and shall allow the respective utility company to enter the site and adjust and /or relocate its utility line(s).

Repair all existing pavement, utilities, structures, etc. damaged as a result of the Contractor's operations at no additional cost to the County of El Paso.

Vibratory rollers will not be permitted for use on work within the project limits.

Item 3L – Award and Execution of Contract

The Contractor warrants to the County of El Paso that materials and equipment furnished under the contract will be of good quality and new unless otherwise required or permitted by the Contract Documents, that the work will be free from defects not inherent in the quality required or permitted, and that the work will conform to the requirements of the Contract Documents. Completed work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective.

CONTROL: CSJ 0924-06-616, ETC

COUNTY: EL PASO

HIGHWAY: VARIOUS

Neither the final Certificate of Payment, nor any provision in the Contract Documents, nor partial or entire use of the facility by the County of El Paso shall constitute an acceptance of work not done in accordance with the Contract Documents or relieve the Contractor of liability in respect to any express warranties or responsibility for faulty materials or workmanship. The Contractor shall remedy any defects in their work and repair any damage to their work within a period of one (1) year from the date of final acceptance, unless a longer period is specified. The County of El Paso will give notice of observed defects with reasonable promptness.

Contractor is required to submit their own report manual prior to performing any repairs for the Project Engineer to review. All submittals must be provided before the kick-off meeting or prior to using/ordering the material. Engineer's review is ten (10) working days minimum.

Item 4L – Scope of Work

Provide vehicular and pedestrian access at all times including Saturdays, Sundays, and holidays. Access includes, but is not limited to, driveways, streets, parking areas, and walkways and is subsidiary to the various bid Items.

Schedule and perform all work to assure proper drainage during construction operations. All labor, tools, equipment and supervision required, to ensure drainage, removal, and handling of water is considered incidental work.

Maintain all Contract Items until final acceptance of the project.

Item 5L – Control of the Work

The County of El Paso will furnish horizontal and vertical reference points. The Contractor shall verify all dimensions and grades before proceeding with the work. Report any discrepancies found immediately to the County of El Paso or its designated representative, otherwise the Contractor shall be held responsible for their correctness.

The Contractor shall verify all typical cross-sections prior to commencing construction. The cross sections may be adjusted if necessary, to better fit field conditions when approved by the County of El Paso and/or Engineer.

The Contractor shall pay special attention to the utility sheets, corresponding sequence of work, and shall coordinate field locations of all utilities with the appropriate utility companies, in order to minimize conflicts during construction operations. Damage incurred to any utility, which in the determination of the County of El Paso or its designated representative could have been prevented, shall be repaired or replaced by the Contractor at his expense as directed by the County of El Paso or its designated representative.

Item 6L – Control of Materials

QA Testing, Contractor shall be responsible for paying any additional tests due to density failures, cancellations, and retakes at no cost to the El Paso County.

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COUNTY: EL PASO

HIGHWAY: VARIOUS

Protect and prevent damage to areas of Right-of-Way that are not included in the actual limits of construction.

Item 7L – Legal Relations and Responsibilities

Comply with all Federal, State, and Local Laws, ordinances, and regulations that affect the performance of the work. The roadway must be open to traffic at all times. Maintain access to adjacent property at all times. Comply with all requirements of the Environmental Permits Issues and Commitments (EPIC).

Dispose of all waste materials in compliance with Local, State, and Federal regulations. Submit list of all approved waste sites to the County of El Paso for review.

Do not discharge any liquid pollutant from vehicles onto the roadside. Immediately clean spills and dispose in compliance with local, state, and federal regulations to the satisfaction of the Engineer at no additional cost to the Department.

Occupational Safety & Health Administration (OSHA) regulations prohibit operations that bring people or equipment within 10 ft. of an energized electrical line. Where workers and/or equipment may be close to an energized electrical line, notify the electrical power company and make all necessary adjustments to ensure the safety of workers near the energized line.

Item 8L – Prosecution and Progress

Working days are calculated in accordance with “Standard Work Week.”

A CPM (Critical Path Method) or Bar Chart schedule is required for this project conforming to “Critical Path Method”. Provide updates as directed by the County of El Paso. Prior to beginning operations, schedule and attend a preconstruction conference with The County of El Paso. Provide the County of El Paso a written outline of the proposed sequence of work and an estimated progress schedule.

Begin work no later than 90 calendar days after the authorization date to begin work.

Keep traveled surfaces used in hauling operations clear and free of dirt or other material.

Maintain thru traffic at all times on within the project limits.

Protect from damage and destruction all areas of the right of way, which are not included in the actual limits of the proposed construction areas. Exercise care to prevent damage to trees, vegetation, and other natural features.

Protect trees, shrubs, and other landscape features from abuse, marring, or damage within the actual construction and/or fenced protection areas designated for preservation. Restore any area disturbed or damaged to a condition “as good as” or “better than” prior to start of construction operation. This work will be at the Contractor’s expense.

CONTROL: CSJ 0924-06-616, ETC

COUNTY: EL PASO

HIGHWAY: VARIOUS

This project consists of a Construction Sequencing Plan containing phases that will be completed in the order described below:

**Table 1
Construction Sequencing**

Sequence	Phase	Description of Work	Construction Sequence	Contract Time
1	#1	<p>Los Coyotes Dr. From: Joe Ojeda Dr. To: Oil Mill Rd.</p> <p>Oil Mill Dr. From: Los Coyotes Dr. To: Tia Dr.</p> <p>Drake St. From: Oil Mill Dr. To: O.T. Smith Rd.</p> <ul style="list-style-type: none">• Installation of sidewalk and associated amenities along one side of roadway edge and/or abutting ROW	1	120 Days
2	#2	<p>Linda Dr. From: Henderson Rd. To: 2nd St.</p> <p>Florinda Dr. From: Linda Dr. To: Cobb Ave.</p> <p>Florella Dr. From: Linda Dr. To: Gaby Rd.</p> <p>Cobb Ave. From: Henderson Rd. To: 2nd St.</p> <p>3rd St. From: Cobb Ave. To: Alameda Ave.</p> <p>2nd St. (Phase 2 – Stage 1) From: Linda Dr. To: Alameda Ave.</p> <ul style="list-style-type: none">• Installation of sidewalk, shared use path and associated amenities along one side of roadway edge and/or abutting ROW	2	150 Days

TOTAL 270 Days

Item 9L – Measurement and Payment

Submit Material on Hand (MOH) payment requests at least three (3) working days before the end of the month for payment consideration on that month's estimate.

Item 100 – Preparing Right of Way

Refer to Specification for additional list of items covered under this item. All existing pavement milling, trees, metal beam guard fence, abandoned sign posts and footings, vegetation and other

CONTROL: CSJ 0924-06-616, ETC

COUNTY: EL PASO

HIGHWAY: VARIOUS

landscape features not deemed for, and other miscellaneous items not specifically quantified on the demolition plans to be removed will be paid under this item.

This item will be used to remove the top 6 - 12 in. of existing material and soil where shown on the plans.

Displaced and/or relocated trees and shrubs shall be paid for under this item.

Maintain 18-inches of cover during construction for all underground utilities.

All aerial telephone, triplex, conductors, cable, etc. shall remain undisturbed, unless otherwise noted.

Item 104 – Removing Concrete

All work items required to saw-cut the existing concrete sidewalks, driveways, curb and gutter, etc. as shown on the plans, or as directed is subsidiary to this Item.

Item 110 – Excavation

To eliminate all drop-off conditions, construct tapers as directed. This work will not be paid for directly but will be considered subsidiary to this Item.

All suitable excavated materials shall be utilized, insofar as practical, in constructing the required sections or as directed by the Engineer. Unsuitable roadway excavation and excavation more than that is needed shall become the property of Contractor, to be disposed of off-site, in accordance with local, state, and federal requirements.

Excavate to finish subgrade.

Item 247 – Flexible Base

Construct a foundation course composed of flexible base.

Item 251 – Reworking Base Courses

Refinish or rework existing base material with or without asphaltic concrete pavement. Incorporate new base material when shown on the plans.

The Contractor will be paid in accordance with the associated Item based on work performed. This will fully compensate the Contractor for all associated activities.

Item 310 – Prime Coat

Prepare and treat existing or newly constructed surface with an asphalt binder or other specialty prime coat binder material. Apply blotter material as required. This Item will be measured by the gallon and will be paid for at the unit price bid for "Prime Coat (Small Quantity)". This price is full

CONTROL: CSJ 0924-06-616, ETC

COUNTY: EL PASO

HIGHWAY: VARIOUS

compensation for cleaning and sprinkling the area to be primed; materials, including blotter material; and rolling, equipment, labor, tools, water, and incidentals.

Item 340 – Dense-Graded Hot Mix Asphalt

Construct a hot-mix asphalt (HMA) pavement layer composed of a compacted, dense-graded mixture of aggregate and asphalt binder mixed hot in a mixing plant. This specification is intended for small quantity (SQ) HMA projects, typically under 5,000 tons total production.

Item 400 – Excavation and Backfill for Structures

Cutting and restoring pavement will be paid for at the unit price bid for “Excavation and Backfill for Structures” of the type specified.

Work done to repair damage to base or pavement incurred outside the limits shown on the plans, or the limits authorized, will not be measured for payment.

The unit prices bid are full compensation for excavation including removing obstructions and plugging drainage systems; bedding and backfilling including placing, sprinkling and compaction of material; soundings; cleaning and filling seams; constructing and removing cofferdams; de-watering, sheeting, or bracing excavations up to and including 5 ft. deep; pumps; drills; explosives; disposition of surplus material; cutting pavement and base to neat lines; and materials, hauling, equipment, labor, tools, and incidentals.

Item 416 – Drilled Shaft Foundations

Construct foundations consisting of reinforced concrete drilled shafts.

Item 479 – Adjusting Manholes and Inlets

Adjust or cap existing manholes, inlets, water meters, boxes, valve boxes, electric boxes, or telephone boxes as shown on the plans.

Furnish and install all labor, materials, and equipment necessary to adjust water valve box and water meter box as shown on plans.

Item 496 – Removing Structure

Remove and either dispose of or salvage structures as shown on plans.

Item 500 – Mobilization

The Contractor will abide by TxDOT’s November 2014 edition of Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges for Item 500.

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COUNTY: EL PASO

HIGHWAY: VARIOUS

Item 502 – Barricades, Signs, and Traffic Handling

Prior to beginning construction, the Contractor will submit for approval the routing of traffic and sequence of work.

Additional signs and barricades, placed as directed, will be considered subsidiary to this Item.

All TMA Operators must participate in a TMA workshop to be conducted by the El Paso District Safety Office, on the proper use of TMAs, prior to working on Department Right of Way (ROW). A certificate of completion will be issued to TMA Operators that successfully complete the TMA

workshop. The certificate of completion must be carried by TMA Operators at all times while working on Department right of way.

In accordance with Section 7.2.6.1, designate, in writing, a Contractor Responsible Person (CRP) and a CRP alternate to take full responsibility for the set-up, maintenance, and necessary corrective measures of the traffic control plan. The CRP or CRP alternate must be present at site and implement the initial set up of every traffic control phase/stage, at each location, and/or each call out, for the entire duration of the project.

At the written request of the Engineer, immediately remove the CRP or CRP alternate from the project if, in the opinion of the Engineer, is not competent, not present at initial TCP set-ups, or does not perform in a proper, skillful, or safe manner. These individuals shall not be reinstated without written consent of the Engineer.

CRP and CRP alternate must be trained using approved training. Provide a copy of the certificate of completion to the Engineer for project records. Refer to Table 2 for Department approved Training.

**Table 2
Contractor Responsible Person and Alternate**

Provider	Course Number	Course Title	Duration	Notes
American Traffic Safety Services Association	TCS	Traffic Control Supervisor	2 days	
National Highway Institute	133112 133113	Design and Operation of Work Zone Traffic Control Work Zone Traffic Control for Maintenance Operations	1 day 1 day	Both courses are required to meet minimum required training.
Texas Engineering Extension Services	133112A	Design and Operation of Work Zone Traffic Control	3 days	
University of Texas Arlington Division for Enterprise Development	WKZ421	Traffic Control Supervisor	16 hours	Contact UTA for training needs.

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COUNTY: EL PASO

HIGHWAY: VARIOUS

All Contractor workers involved with the traffic control implementation and maintenance must participate and complete a Department approved training course. Provide a copy of the certificate of completion to the Engineer for project records. Refer to Table 3 for Department approved training.

**Table 3
Other Work Zone Personnel**

Provider	Course Number	Course Title	Duration	Notes
American Traffic Safety Services Association	TCT	Traffic Control Technician	1 day	
Texas Engineering Extension Services	HWS002	Work Zone Traffic Control	16 hours	Identical to HWS-410. Counts for 3-year CRP requirement.
National Highway Institute	133116	Maintenance of Traffic for Technicians	5 hours	Web based
National Highway Institute	134109-I	Maintenance Training Series: Basics of Work Zone Traffic Control	1 hour	Free, Web based
University of Texas at Arlington, Division for Enterprise Development	WKZ100	Work Zone Safety: Temporary Traffic Control	4 hours	Note name change. Free, Web based
TxDOT/AGC Joint Development	N/A	Safe Workers Awareness Highway Construction Work Zone Hazards	16 minutes 18 minutes	Videos available through AGC of Texas offices. English & Spanish
AGC America	N/A	Highway Work Zone Safety Training	1 day	
Texas Engineering Extension Service	HWS400	Temporary Traffic Control Worker	4 hours	Contact TEEX, if interested in course
TxDOT/AGC Joint Development	N/A	Work Zone Fundamentals	10 minutes	Videos available through ACT of Texas offices. English & Spanish

Contractor may choose to train workers involved with the traffic control implementation and maintenance with a Contractor developed training in lieu of Department approved training. Contractor developed training must be equivalent to the Department approved training shown in Table 3. Provide the Engineer a copy of the course curriculum for pre-approval, prior to conducting

CONTROL: CSJ 0924-06-616, ETC

COUNTY: EL PASO

HIGHWAY: VARIOUS

the Contractor developed training. Provide the Engineer a copy of the log of attendees after training completion for project records.

Acquire the TCP and TMA Operator's certificates of completion prior to the authorization to begin work. No time suspension will be granted, and no traffic control work will be allowed without certificates of completion.

Existing regulatory signs, route marker auxiliaries, guide signs, and warning signs that must be removed due to widening shall be relocated temporarily and erected on approved supports at locations shown in the plans, or as directed. This work will not be paid for directly but considered subsidiary to this Item.

Notify the school and local officials when major traffic changes are to be made, such as detours. Coordinate with each entity on all traffic changes. Advance notification for the following week's work must be made by 5 P.M. on Wednesdays.

Provide access to intersecting side roads and driveways at all times, unless otherwise directed.

Any change to the sequence of work or TCP, with approval, assumes the responsibility for any additional barricade signs and devices.

Use striping operations to channelize traffic as directed. Maintain shoulders and median areas in a condition capable of serving as emergency paths, as approved. This work will be subsidiary to this Item.

Place and maintain enough additional warning signs, beacons, delineators, and barricades to warn and guide the public of all hazards through the construction zone at all times, and as directed.

Use flashing arrow boards on all tapers for each lane closure.

Some signs, barricades, and channelization devices may not be shown at the precise or measured position. Place the barricades, devices, or signs, with approval, in positions to meet field conditions.

Fill any holes left by barricade or sign supports and restore the area to its original condition.

Use Type A flashing warning lights or delineators to mark open excavation, footings, foundations, or other obstructions near lanes that may be open to traffic, as directed.

For additional information pertaining to channelization, signing, spacing details, and flagging procedures required to regulate, warn, and guide traffic through project, refer to the "Barricade and Construction Standards," BC (1)-21 and to the current *Texas Manual on Uniform Traffic Control Devices (TMUTCD)*.

Remove or cover signs that do not apply to current conditions at the end of each day's work.

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COUNTY: EL PASO

HIGHWAY: VARIOUS

Repair or replacement of signs damaged by the public, bad weather events or in poor working and/or visible conditions to be subsidiary to this item.

Safety Contingency: The contractor Force Account "Law Enforcement" that has been established for this project is intended to be utilized for work zone enhancement, to improve the effectiveness of the TCP that could not be foreseen in the project planning and design stage. These enhancements will be mutually agreed upon by the Engineer and the Contractor's

Responsible Person based on weekly or more frequent traffic management reviews on the project. The Engineer may choose to use existing bid items if it does not slow the implementation of enhancement.

Item 506 – Temporary Erosion, Sedimentation, and Environmental Controls

Place Best Method Practices (BMP's) in locations as designated in the plans or as directed by Engineer.

Place a weatherproof bulletin board containing the Texas Commission on Environmental Quality (TCEQ) required information on the project at a site as directed. Post the following documents:

- (1) TCEQ "TPDES Storm Water Program" Primary & Secondary Construction Site Notice (Both must be filled out and signed);
- (2) TCEQ "Notice of Intent"; and
- (3) TCEQ "TPDES Permit."

Place rain gauge(s) at locations as designated.

Contractor will be responsible for obtaining and cost of CGP, NOI, TPDES and NOT.

The total disturbed area for this project is shown on the plans. The soil disturbed area in this project, all project locations in the Contract, and Contractor Project Specific Locations (PSLs), within one mile of the project limits, for the Contract will further establish the authorization requirements for Storm Water Discharges. The Department will obtain an authorization to discharge storm water from TCEQ for the construction activities shown on the plans. Obtain any required authorization from the TCEQ for any Contractor PSLs for construction support activities on or off right of way. When the total area disturbed for all projects in the Contract and PSLs within one mile of the project limits exceeds five acres, provide a copy of the Contractor Notice of Intent (NOI) PSLs on the right of way to The County of El Paso.

Place Best Method Practices as shown on the plans, or as directed. Maintain and properly place the erosion control measures to prevent storm water pollution into the Waters of the United States, as directed. Within the project limits, keep all inlets functional as long as possible to accept storm water as part of the Storm Water Pollution Prevention Plan (SWP3), as directed.

The sedimentation fences will be paid at the time of their initial placement. Any required replacement will not be a substitute for proper maintenance and be allowed as directed. This work is subsidiary to this Item.

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Contractor shall be responsible for the placement of construction entrances/exits throughout the various phases of construction. Actual location will be determined by the contractor based on field conditions, work location(s), constraints, and needs; with approval of the County of El Paso, or ENGINEER. Construction entrance/exit dimensions shall follow the guidelines outlined within the approved TxDOT standard.

Grading operations will be limited to the catch point of the proposed cross-section.

Preserve any vegetation outside these limits.

Item 529 – Concrete Curb, Gutter and Combined Curb and Gutter

Use Type II cement and Class A concrete for these Items, unless otherwise shown on the plans. Wire mesh will not be allowed. Reinforce all concrete using reinforcement conforming to Item 440, "Reinforcement for concrete," as shown on the plans or as directed.

Perform all required grading for proposed concrete curb, gutter, and combined curb and gutter construction as shown on the plans.

After construction, restore the adjacent surface to a condition approved by the Engineer, subsidiary to this Item.

All concrete gutters shall have a minimum thickness of 6-inches.

All backfill material (including but not limited to subgrade and base material) beneath the curb and/or curb and gutter is to be subsidiary to this Item.

Item 530 – Intersections, Driveways, and Turnouts

Saw-cut existing roadways and driveways to neat lines when proposed sidewalks intersect. Clean area prior to concrete placement. This work is subsidiary to this Item.

Use Class A concrete for all concrete driveways, unless otherwise shown on the plans.

High early strength concrete for proposed driveways to be available as deemed necessary and as directed.

One (1) density test will be required per driveway.

Item 531 – Sidewalk

The wheelchair ramp dimensions and locations shown in the plans may be adjusted, as directed, to match the field conditions. Any such modification will not be paid directly but will be subsidiary to this Item.

Modify the sidewalk expansion joint spacing to 20 ft. spacing where waterlines may exist under the sidewalk subsidiary to this Item.

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COUNTY: EL PASO

HIGHWAY: VARIOUS

Provide textured finish for wheelchair ramps as directed.

Perform all work under this Item to conform to ADA and TDLR standards.

Perform all requiring grading for proposed sidewalks construction as shown on the plans. All grading, including excavation, fill, and embankment is subsidiary to this Item.

Detectable warning surface for new ramps shall be made from an approved surface applied vitrified polymer composite tile, red in color.

For repairs on the sidewalk, it will be required to be from joint to joint.

Furnish labor, materials, and equipment necessary as shown on plans. Sidewalk reinforcement shall be #3 bars spaced 12 inches on-center each way unless alternate reinforcement methods are selected.

Sidewalk reinforcement materials can be fiber, wire mesh, or rebar and must be approved by the County of El Paso.

Item 550 – Chain Link Fence

Furnish, install, remove, repair, or replace chain link fence and gates as shown on plans.

Item 644 – Small Roadside Sign Assemblies

Stake all sign locations and receive approval prior to sign placement.

The 2-1/2-inch, Schedule 10 post will meet the following requirements:

- 0.120 in. nominal wall thickness
- Seamless or electric-resistance welded steel tubing or pipe
- Steel will be HSLAS Grade 55 per ASTM A1011 or ASTM A1008

Other steel may be used, if it meets the following:

- 55,000 psi minimum yield strength
- 70,000 psi minimum tensile strength
- 20% minimum elongation in 2 in.
- Wall thickness (uncoated) to be within the range of 0.108 in. to 0.132 in. galvanization per ASTM A123 or ASTM A653 G90

For pre-coated steel tubing (ASTM A653), recoat tube outside diameter weld seam by metalizing with zinc wire per ASTM B833.

Verify all post lengths to ensure the proper sign height. Remove and replace any sign installed incorrectly. This work will be done at no expense to The County of El Paso.

Provide Texas Universal Triangular Slip Base clamp type for all signs as shown on SMD (Slip-1)-08.

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As directed, some regulatory and guide signs will be relocated before construction begins. Mark and locate each reference marker perpendicular to the road and along the right of way, or as directed, prior to removal. Re-erect reference markers at their original location upon completion of construction.

Item 666 –Retroreflectorized Pavement Markings

All new pavement markings and signage shall conform to the most current edition of the “Texas Manual on Uniform Traffic Control Devices” (MUTCD).

All permanent striping within the roadway shall be reflective thermoplastic. All glass beads and pavement markings shall be purchased on the open market.

The quantity for all broken lines as shown on the plans accounts only for the actual installed pavement markings and does not include gap distance between pavement markings.

Use a pilot line for final striping and remove pilot line after all striping is complete. Removal will be in accordance with the methods specified in Item 677, “Eliminating Existing Pavement Markings and Markers,” and is subsidiary to this Item.

In those areas where existing pavement markings are to be covered or removed, field locate and record the existing pavement markings by survey or other approved method by the Engineer as directed. Place final striping on these locations.

Contractor is responsible for conducting reflectivity testing and is subsidiary to this Item.

Contractor shall be responsible for field-locating and recording by survey, the existing stripe alignment so that the final pavement markings may be placed in the exact location as the existing or as directed by the County of El Paso or its designated representative.

Item 677 – Eliminating Existing Pavement Markings and Markers

Eliminate existing pavement markings and raised pavement markers (RPMs). Remove existing RPMs as the work progresses or as approved. This work is subsidiary to the various bid Items. Properly dispose materials removed.

Item 678 – Pavement Surface Preparation for Markings

Prepare pavement surface areas before placement of pavement markings and raised pavement markers (RPMs). Item 677, “Eliminating Existing Pavement Markings and Markers,” governs removal of existing markings.

Air blasting is required as pavement surface preparation and is subsidiary to this Item.

Item 9606 – Law Enforcement Personnel

As approved by the Engineer or at the request of the contractor, provide uniformed off duty police officers and squad cars during lane closures, nighttime work or other situations that indicate a

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COUNTY: EL PASO

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need for additional traffic control to protect the traveling public or the construction workforce. Provide documentation such as payroll, log sheets with signatures and badge number, or invoices from the governmental entity providing the officers for reimbursement. Complete the weekly tracking form provided by the department and submit invoices that agree with the tracking form for payment at the end of each month the approved services were provided. Reimbursement will not be made for coordination fees charged by any party.

Item ELP1 – Fixed Bollards

Install fixed bollards as shown on the plans.

Contractor must submit shop drawings for approval. Fixed bollards shall consist of 6” galvanized standard steel pipe (painted yellow), with Class A concrete and with a formed domed cap.

Item ELP2 – Pedestrian Illumination Assemblies

The location of LED solar pedestrian illumination poles (10-foot height) is diagrammatic only and may be shifted by the Engineer to accommodate Local conditions.

Contractor must submit shop drawings to the Engineer for Pedestrian Illumination approval.

Contractor to contact COEP one week prior to delivery of equipment for storage location.

Submittals. Submit fabrication drawings and calculations for approval to the project engineer.

P. PAYMENT BOND

PAYMENT BOND

_____, as
surety ("Surety"), *(Insert Proper Name of Surety)*

and _____
(Insert Proper Name of Contractor)

as principal ("Contractor"), enter into, execute this bond ("Payment Bond"), and bind
themselves in favor of

_____,
(Insert Proper Name of Owner)

as obligee ("Owner") in the penal sum of \$ _____,
(Insert Penal Sum)

as of the _____.
(Insert Date of Construction Contract)

WHEREAS, the Contractor has executed a contract with the Owner of even date
herewith ("Construction Contract") for construction of _____

Insert Description and Location of the Construction Project ("Project"); and,

WHEREAS, the Owner has required the Contractor to furnish this Payment Bond
containing the terms and conditions set forth herein as a condition to executing the
Construction Contract with the Contractor;

NOW THEREFORE, the Surety and the Contractor, both jointly and severally, and
for themselves, their heirs, administrators, executors and successors agree:

1.

The Construction Contract is hereby incorporated herein and by reference made
a part hereof to the same extent and effect as though it were copied verbatim herein. The
Surety and the Contractor are bound for the full performance of the Construction Contract
including without exception all of its terms and conditions, both express and implied, and,

without limitation, specifically including Contractor's obligation to pay for labor, materials, services and equipment provided in connection with the Construction Contract performance;

2.

For purposes of this Payment Bond, Beneficiary is defined as a person or entity who has actually provided labor, material, equipment, services or other items for use in furtherance of the Construction Contract, and having:

- (A) a direct contract with the Contractor; or
- (B) a direct contract with a subcontractor of the Contractor; or
- (C) rights, under the laws of the jurisdiction where the Project is located, to file a lien, a claim or notice of lien, or otherwise make a claim against the Project or against funds held by the Owner, if the Project is, or were, subject to such filing.

3.

The Surety shall not be obligated hereunder to a Beneficiary other than a Beneficiary having a direct contract with the Contractor unless such Beneficiary has given written notice of its claim to the Contractor and the Surety within the longer of:

- (A) ninety (90) days after such Beneficiary provided labor, material, equipment, services or other items for use in furtherance of the Construction Contract; or,
- (B) the period of time provided by the jurisdiction wherein the Project is located for (1) filing of a lien, claim of lien, notice of lien, if the Project is, or were, subject to such filing, or (2) otherwise making a claim against the Project or against funds held by the Owner; stating the amount claimed and identifying, by name and address, the person or entity to whom such labor, material, equipment, services or other items were provided.

4.

In no event shall the Surety be obligated hereunder for sums in excess of the Penal Sum.

5.

Upon receipt of a claim from a Beneficiary hereunder, the Surety shall promptly, and in no event later than 30 days after receipt of such claim, respond to such claim in writing (furnishing a copy of such response to the Owner) by:

- (A) making payment of all sums not in dispute; and,
- (B) stating the basis for disputing any sums not paid.

6.

No action shall be commenced by a Beneficiary hereunder after the passage of the longer of one (1) year following final completion of the Construction Contract or, if this bond is provided in compliance with applicable law, any limitation period provided therein.

If the limitation period contained in this Paragraph is unenforceable, it shall be deemed amended to provide the minimum period for an action against the Surety on a payment bond by a third-party beneficiary thereof.

7.

Any and all notices to the Surety or the Contractor shall be given by Certified Mail, Return Receipt Requested, to the address set forth for each party below:

SURETY:

CONTRACTOR:

OWNER:

CONTRACTOR:

SURETY:

SEAL
(INSERT PROPER NAME OF CONTRACTOR)

SEAL
(INSERT PROPER NAME OF SURETY)

By: _____
(SIGNATURE OF AUTHORIZED SIGNATORY)

By: _____
(SIGNATURE OF AUTHORIZED SIGNATORY)

(OFFICE OR TITLE OF PERSON SIGNING)

(OFFICE OR TITLE OF PERSON SIGNING)

Note: Date of BOND must not be prior to date of Contract. If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.

Q. PERFORMANCE BOND

PERFORMANCE BOND

_____ as ("Surety"),
(Insert Proper Name of Surety)

and

(Insert Proper Name of Contractor)

as principal (Contractor"), enter into, execute this bond ("Performance Bond"), and bind themselves in favor of

(Insert Proper Name of Owner)

as obligee ("Owner"), in the penal sum of \$ _____,
(Insert Penal Sum)

as of the _____
(Insert Date of Construction Contract)

WHEREAS, the Contractor has executed a contract with the Owner of even date herewith ("Construction Contract") for construction of _____

(Insert Description and Location of the Construction Project)

and,

WHEREAS, the Owner has required the Contractor to furnish this Performance Bond containing the terms and conditions set forth herein as a condition to executing the Construction Contract with the Contractor;

NOW THEREFORE, the Surety and the Contractor, both jointly and severally, and for themselves, their heirs, administrators, executors and successors agree:

1.

The Construction Contract is hereby incorporated herein and by reference made a part hereof to the same extent and effect as though it were copied verbatim herein. The Surety and the Contractor are bound for the full performance of the Construction Contract including without exception all of its terms and conditions, both express and implied.

2.

If the Contractor is in default of the Construction Contract and the Owner, by written notice to the Contractor and the Surety, declares the Contractor to be in default and terminates the right of the Contractor to proceed, the Surety shall thereupon promptly notify

the Owner in writing as to which of the actions permitted to the Surety in Paragraph 3 it will take.

3.

Upon default and termination of the Contractor and notice to the Contractor and Surety as provided in Paragraph 2 above, the Surety shall within 30 days proceed to take one or, at its option, more than one of the following courses of action:

(A) Proceed itself, or through others acting on its behalf, to complete full performance of the Construction Contract including, without limitation, correction of defective and nonconforming work performed by or on behalf of the Contractor. During such performance by the Surety the Owner shall pay the Surety from its own funds only such sums as would have been due and payable to the Contractor in the absence of the default and termination.

(B) Applicable law permitting, and with the prior written consent of the Owner, obtain bids or proposals from contractors previously identified as being acceptable to the Owner, for full performance of the Construction Contract. The Surety shall furnish the Owner a copy of such bids or proposals upon receipt of same. The Surety shall promptly select, with the agreement of the Owner, the best responsive bid or proposal and shall promptly tender the contractor submitting it, together with a contract for fulfillment and completion of the Construction Contract executed by the completing contractor, to the Owner for the Owner's execution. Upon execution by the Owner of the contract for fulfillment and completion of the Construction Contract, the completing contractor shall furnish to the Owner a performance bond and a separate payment bond, each in the form of those bonds previously furnished to the Owner for the Project by the Contractor. Each such bond shall be in the penal sum of the (1) fixed price for completion, (2) guaranteed maximum price for completion, or (3) estimated price for completion, whichever is applicable. The Owner shall pay the completing contractor from its own funds only such sums as would have been due and payable to the Contractor under the Construction Contract as and when they would have been due and payable to the Contractor in the absence of the default and termination. To the extent that the Owner is obligated to pay the completing contractor sums which would not have then been due and payable to the Contractor under the Construction Contract, the Surety shall provide the Owner with such sums in a sufficiently timely manner that the Owner can utilize such sums in making timely payment to the completing contractor; or,

(C) Take any and all other acts, if any, mutually agreed upon in writing by the Owner and the Surety.

4.

In addition to those duties set forth hereinabove, the Surety shall promptly pay the Owner all loss, costs and expenses resulting from the Contractor's default(s), including, without limitation, fees, expenses and costs for architects, engineers, consultants, testing, surveying and attorneys, liquidated or actual damages, as applicable, for delay in completion of the Project, and fees, expenses and costs incurred at the direction, request, or as a result of the acts or omissions of the Surety.

5.

In no event shall the Surety be obligated to the Owner hereunder for any sum in excess of the Penal Sum.

6.

The Surety waives notice of any changes to the Construction Contract including, without limitation, changes in the contract time, the contract price, or the work to be performed.

7.

This Performance Bond is provided by the Surety for the sole and exclusive benefit of the Owner and, if applicable, any dual obligee designated by rider attached hereto, together with their heirs, administrators, executors, successors or assigns. No other party, person or entity shall have any rights against the Surety hereunder.

8.

Any and all notices to the Surety, the Contractor or the Owner shall be given by Certified Mail, Return Receipt Requested, to the address set forth for each party below:

SURETY:

CONTRACTOR:

OWNER:

9.

Any statutory limitation, which may be contractually superseded, to the contrary notwithstanding, any action hereon may be instituted so long as the applicable statute of limitations governing the Construction Contract has not run or expired.

CONTRACTOR:

SURETY:

SEAL
(INSERT PROPER NAME OF CONTRACTOR)

SEAL
(INSERT PROPER NAME OF SURETY)

By: _____
(SIGNATURE OF AUTHORIZED SIGNATORY)

By: _____
(SIGNATURE OF AUTHORIZED SIGNATORY)

(OFFICE OR TITLE OF PERSON SIGNING)

(OFFICE OR TITLE OF PERSON SIGNING)

R. NON-COLLUSION AFFIDAVIT OF CONTRACTOR

NON-COLLUSION AFFIDAVIT OF CONTRACTOR

State of Texas

County of El Paso

_____, being first duly sworn, deposes and says that:

1. (He/she is _____ of _____ hereinafter referred to as the "Contractor");
2. He is fully informed respecting the preparation and contents submitted _____, the Contractor for certain work in connection with the County of El Paso Contract pertaining to the Project in El Paso County, Texas;
3. This bid is genuine and is not a collusive or sham bid.
4. Neither the Subcontractor nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affidavit, has in any way colluded, conspired, connived, or agreed, directly or indirectly, with any other Bidder, firm or person to submit a collusive or sham bid in connection with such Contract or to refrain from submitting a bid in connection with such Contract, or has in any manner, with any other Bidder, firm or person to fix the price or prices in said Contractor's Bid, or to secure through collusion, conspiracy, connivance or unlawful agreement any advantage against the County of El Paso or any person interested in the proposed Contract: and
5. The prices quoted in the Contractor's bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees or parties in interest, including this affidavit.

(Signature)

(Title)

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

By: _____
(Notary Public)

My Commission Expires _____, 20__

S. NON-COLLUSION AFFIDAVIT OF SUNCONTRACTOR

NON-COLLUSION AFFIDAVIT OF SUBCONTRACTOR

State of Texas (

County of El Paso (

_____, being first duly sworn, deposes and says that:

- 1 (He/she is _____ of _____ hereinafter referred to as the "Subcontractor";
- 6. He is fully informed respecting the preparation and contents of the Subcontractor's Proposal submitted by the Subcontractor to __, the Contractor for certain work in connection with the County of El Paso Contract pertaining to the Project in El Paso County, Texas;
- 7. Such Subcontractor's Proposal is genuine and is not a collusive or sham proposal.
- 8. Neither the Subcontractor nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affidavit, has in any way colluded, conspired, connived, or agreed, directly or indirectly, with any other Bidder, firm or person to submit a collusive or sham Proposal in connection with such Contract or to refrain from submitting a Proposal in connection with such Contract, or has in any manner, with any other Bidder, firm or person to fix the price or prices in said Subcontractor's Proposal, or to secure through collusion, conspiracy, connivance or unlawful agreement any advantage against the County of El Paso or any person interested in the proposed Contract: and
- 9. The prices quoted in the Subcontractor's Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees or parties in interest, including this affidavit.

(Signature)

(Title)

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

By: _____
(Notary Public)

My Commission Expires _____, 20__

T. OWNER AND CONTRACTOR

[standard form- will be modified to suit specific details of Bid Project]

**FIXED PRICE CONSTRUCTION CONTRACT BETWEEN
OWNER AND CONTRACTOR**

This FIXED PRICE CONSTRUCTION CONTRACT BETWEEN OWNER AND CONTRACTOR (the "Contract") is made and entered into by and between **El Paso County, Texas**, a political subdivision of the State of Texas (the "Owner") and _____ (the "Contractor"). This Contract is executed under seal, and shall be effective on _____.

This Contract is for the construction of a project as described by **El Paso County Bid No. _____** to perform _____ (the "Project").

NOW, THEREFORE, in consideration of the mutual promises, covenants and agreements stated herein, and for other good and valuable consideration, the sufficiency of which is hereby acknowledged, the parties agree:

1.

DOCUMENTS INCORPORATED BY REFERENCE

This Contract includes the plans and specifications for the Project identified thereon as such, plus the following (if any): 1) a copy of County Bid _____ entitled and all Bid Addenda, Invitation for Bids, Instructions to Bidders, General Conditions, and Contract Agreement attached hereto as **Exhibit 1**; 2) Contractor's Bid Response, attached hereto as **Exhibit 2**; 3) a copy of Contractor's Payment Bond, attached hereto as **Exhibit 3**; 4) a copy of Contractor's Performance Bond, attached hereto as **Exhibit 4**; and 5) a copy of the Insurance Requirements, attached hereto as **Exhibit 5**; 6) a copy of the Insurance Certificates, attached hereto as **Exhibit 6**; 7) a copy of the currently effective Prevailing Wage Rates for Building and Definitions for Building Labor Classifications attached hereto as **Exhibit 7**; 8) a copy of the currently effective Prevailing Wage Rates for Heavy / Highway and Definitions for Heavy / Highway Labor Classifications, attached hereto as **Exhibit 8**; 9) a copy of the currently effective Apprenticeship Order and the List of Required Apprenticeship Programs, attached hereto as **Exhibit 9**; 10) a list of Special Conditions for Work on Riverbed and Levees, attached hereto as **Exhibit 10**; and 11) a copy of all engineering specifications and drawings, separately bound in a separate volume or volumes, attached hereto as **Exhibit 11**, all of which Exhibits and separately bound volume(s) are hereby incorporated herein by reference and made a part hereof for all purposes. Change Orders issued hereafter, and any other amendments executed by the Owner and the Contractor, shall become and be a part of this Contract. Documents not included or expressly contemplated in this Paragraph 1 do not, and shall not, form any part of this Contract. This Agreement shall control if there is a conflict between the Contract Agreement in the Bid Specifications and this Contract.

2.
REPRESENTATIONS OF THE CONTRACTOR

In order to induce the Owner to execute this Contract and recognizing that the Owner is relying thereon, the Contractor, by executing this Contract, makes the following express representations to the Owner:

- (A) The Contractor is fully qualified to act as the contractor for the Project and has, and shall maintain, any and all licenses, permits or other authorizations necessary to act as the contractor for, and to construct, the Project;
- (B) The Contractor has become familiar with the Project site and the local conditions under which the Project is to be constructed and operated;
- (C) The Contractor has received, reviewed and carefully examined all of the documents which make up this Contract, including, but not limited to, the plans and specifications, and has found them in all respects to be complete, accurate, adequate, consistent, coordinated and sufficient for construction.

3.
OWNERS REPRESENTATIVE AND PROJECT ENGINEER

The Owner's representative is _____ ("Owner"). Office and mailing address is _____ El Paso, Texas. The phone number is _____, facsimile is _____.

In the event the Owner should find it necessary or convenient to replace the Engineer, the Owner shall retain a replacement Engineer and the role of the replacement Engineer shall be the same as the role of the Engineer. Unless otherwise directed by the Owner in writing, the Engineer will perform those duties and discharge those responsibilities allocated to the Engineer in this Contract. The duties, obligations and responsibilities of the Engineer shall include, but are not limited to, the following:

- (A) Unless otherwise directed by the Owner in writing, the Engineer shall act as the Owner's agent from the effective date of this Contract until final payment has been made, to the extent expressly set forth in this Contract;
- (B) Unless otherwise directed by the Owner in writing, the Owner and the Contractor shall communicate with each other in the first instance through the Engineer;
- (C) When requested by the Contractor in writing the Engineer shall render interpretations necessary for the proper execution or progress of the work;
- (D) The Engineer shall draft proposed Change Orders;
- (E) The Engineer shall approve, or respond otherwise as necessary concerning shop drawings or other submittals received from the Contractor;

(F) The Engineer shall be authorized to refuse to accept work which is defective or otherwise fails to comply with the requirements of this Contract. If the Engineer deems it appropriate, the Engineer shall be authorized to call for extra inspection or testing of the work for compliance with requirements of this Contract;

(G) The Engineer shall review the Contractor's Payment Requests and shall approve in writing those amounts which, in the opinion of the Engineer, are properly owing to the Contractor as provided in this Contract;

(H) The Engineer shall, upon written request from the Contractor, perform those inspections required in Paragraph 7 hereinabove;

(I) The Engineer shall be authorized to require the Contractor to make changes which do not involve a change in the Contract Price or in the time for the Contractor's performance of this contract consistent with the intent of this Contract;

(J) THE DUTIES, OBLIGATIONS AND RESPONSIBILITIES OF THE CONTRACTOR UNDER THIS CONTRACT SHALL IN NO MANNER WHATSOEVER BE CHANGED, ALTERED, DISCHARGED, RELEASED, OR SATISFIED BY ANY DUTY, OBLIGATION OR RESPONSIBILITY OF THE ENGINEER. THE CONTRACTOR IS NOT A THIRD-PARTY BENEFICIARY OF ANY CONTRACT BY AND BETWEEN THE OWNER AND THE ENGINEER. IT IS EXPRESSLY ACKNOWLEDGED AND AGREED THAT THE DUTIES OF THE CONTRACTOR TO THE OWNER ARE INDEPENDENT OF, AND ARE NOT DIMINISHED BY, ANY DUTIES OF THE ENGINEER TO THE OWNER.

4.

INTENT AND INTERPRETATION

With respect to the intent and interpretation of this Contract, the Owner and the Contractor agree as follows:

(A) This Contract, together with the Contractor's and Surety's performance and payment bonds for the Project, if any, constitute the entire and exclusive agreements between the parties with reference to the Project, and said Contract supersedes any and all prior discussions, communications, representations, understandings, negotiations, or agreements. This Contract also supersedes any bid documents;

(B) Anything that may be required, implied or inferred by the documents which make up this Contract, or any one or more of them, shall be provided by the Contractor for the Contract Price;

(C) Nothing contained in this Contract shall create, nor be interpreted to create, privity or any other relationship whatsoever between the Owner and any person except the Contractor;

(D) When a word, term, or phrase is used in this Contract, it shall be interpreted or

construed first, as defined herein; second, if not defined, according to its generally accepted meaning in the construction industry; and third, if there is no generally accepted meaning in the construction industry, according to its common and customary usage;

(E) The words "include", "included", or "including", as used in this Contract, shall be deemed to be followed by the phrase, "without limitation";

(F) The specification herein of any act, failure, refusal, omission, event, occurrence or condition as constituting a material breach of this Contract shall not imply that any other, non-specified act, failure, refusal, omission, event, occurrence or condition shall be deemed not to constitute a material breach of this Contract.

(G) The Contractor shall have a continuing duty to read, examine, review, compare and contrast each of the documents which make-up this Contract, shop drawings, and other submittals and shall give written notice to the Owner and the Engineer of any conflict, ambiguity, error or omission which the contractor may find with respect to these documents before proceeding with the affected work. The express or implied approval by the Owner or the Engineer of any shop drawings or other submittals shall not relieve the Contractor of the continuing duties imposed hereby, nor shall any such approval be evidence of the contractor's compliance with this Contract. The Owner has requested the Engineer to only prepare documents for the Project, including the plans and specifications for the Project, which are accurate, adequate, consistent, coordinated and sufficient for construction. **HOWEVER, THE OWNER MAKES NO REPRESENTATION OR WARRANTY OF ANY NATURE WHATSOEVER TO THE CONTRACTOR CONCERNING SUCH DOCUMENTS.** The Contractor again hereby acknowledges and represents that it has received, reviewed and carefully examined such documents, has found them to be complete, accurate, adequate, consistent, coordinated and sufficient for construct, and that the Contractor has not, does not, and will not rely upon any representations or warranties by the Owner concerning such documents, as no such representations or warranties have been or are hereby made;

(H) In the event of any conflict, discrepancy, or inconsistency among any of the documents which make up this Contract, the following shall control:

(1) As between figures given on plans and scaled measurements, the figures shall govern;

(2) As between large-scale plans and small-scale plans, the large-scale plan shall govern;

(3) As between plans and specifications, the requirements of the specifications shall govern;

(4) As between this document and the plans or specifications, this document shall govern.

5.

OWNERSHIP OF THE DOCUMENTS WHICH MAKE UP THE CONTRACT

The documents which make up this Contract, and each of them, as well as any other documents furnished by the Owner, shall remain the property of the Owner. The Contractor shall have the right to keep one (1) copy of the Contract upon completion of the Project; provided, however, that in no event shall the Contractor use, or permit to be used, any portion or all of such Contract on other projects without the Owner's prior written authorization.

6.

CONTRACTOR'S PERFORMANCE

The Contractor shall perform all of the work required, implied or reasonably inferable from this Contract including, but not limited to, the following:

- (A) Construction of the Project in accordance with Bid No. as documents submitted by Contractor in support of its successful bid;
- (B) The furnishing of a performance and payment bond in the full amount of the contract and insurance;
- (C) The provision or furnishing, and prompt payment therefore, of labor, supervision, services, materials, supplies, equipment, fixtures, appliances, facilities, tools, transportation, storage, power, fuel, heat, light, cooling, or other utilities, required for construction and all necessary building permits and other permits required for the construction of the Project. **CONTRACTOR SHALL LAWFULLY DISPOSE OF ALL CONSTRUCTION MATERIALS, CHEMICALS, AND DEBRIS AND SHALL INDEMNIFY AND HOLD OWNER HARMLESS FOR THE UNLAWFUL DISPOSAL OF ALL CONSTRUCTION MATERIALS, CHEMICALS, AND DEBRIS DONE BY CONTRACTOR OR ITS SUBCONTRACTOR IN FURTHERANCE OF THIS CONTRACT;**
- (D) The creation and submission to the Owner of detailed and comprehensive as-built drawings depicting all as-built construction. Said as-built drawings shall be submitted to the Owner upon final completion of the Project and receipt of same by the Owner shall be a condition precedent to final payment to the Contractor.

7.

TIME FOR CONTRACTOR'S PERFORMANCE

- (A) The Contractor shall commence the performance of this Contract on the date authorized by Owner/Owner's Representative in a written Notice to Proceed and shall diligently continue its performance to and until final completion of the Project. The Contractor shall accomplish Substantial Completion of the Project on or before 280 calendar days.

(B) The Contractor shall pay the Owner the sum of **One Thousand Three Hundred Seven Dollars and Thirty Nine Cents (\$1,307.39)** per day for each and every calendar day of unexcused delay in achieving Substantial Completion beyond the date set forth herein for Substantial Completion. Any sums due and payable hereunder by the Contractor shall be payable, not as a penalty, but as liquidated damages representing an estimate of delay damages likely to be sustained by the Owner, estimated at the time of executing this Contract. When the Owner reasonably believes that Substantial Completion will be inexcusably delayed, the Owner shall be entitled, but not required, to withhold from any amounts otherwise due the Contractor an amount then believed by the Owner to be adequate to recover liquidated damages applicable to such delays. If and when the Contractor overcomes the delay in achieving Substantial Completion, or any part thereof, for which the Owner has withheld payment, the Owner shall promptly release to the Contractor those funds withheld, but no longer applicable, as liquidated damages;

(C) The term "Substantial Completion", as used herein, shall mean that point at which, as certified in writing by the Project Manager, the Project is at a level of completion in strict compliance with this Contract such that the Owner or its designee can enjoy beneficial use or occupancy and can use or operate it in all respects, for its intended purpose. Partial use or occupancy of the Project shall not result in the Project being deemed substantially complete, and such partial use or occupancy shall not be evidence of Substantial Completion;

(D) All limitations of time set forth herein are material and are of the essence of this Contract.

8. FIXED PRICE AND CONTRACT PAYMENTS

(A) The Owner shall pay, and the Contractor shall accept, as full and complete payment for the Contractor's timely performance of its obligations hereunder the fixed price of _____ **Dollars and Cents (\$_____00)**. The price set forth in this Subparagraph 7(A) shall constitute the Contract Price, which shall not be modified except by Change Order as provided in this Contract;

(B) Within **TEN (10)** calendar days of the effective date hereof, the Contractor shall prepare and present to the Owner and the Project Manager the **Contractor's Schedule of Values** apportioning the Contract Price among the different elements of the Project for purposes of periodic and final payment. The Contractor's Schedule of Values shall be presented in whatever format, with such detail, and backed up with whatever supporting information the Project Manager or the Owner requests. The Contractor shall not imbalance its Schedule of Values nor artificially inflate any element thereof. The violation of this provision by the Contractor shall constitute a material breach of this Contract. The Contractor's Schedule of Values will be utilized for the Contractor's Payment Requests but shall only be so utilized after it has been acknowledged in writing by the Project Manager and the Owner;

(C) The Owner shall pay the Contract Price to the Contractor in accordance with the procedures set forth in this Paragraph 7. On or before the **FIFTEENTH (15th)** day of each month after commencement of performance, but no more frequently than once monthly, the Contractor may submit a Payment Request for the period ending the last day of the month. Said Payment Request shall be in such format and include whatever supporting information as may be required by the Project Manager, the Owner, or both. Therein, the Contractor may request payment for ninety percent (90%) of that part of the Contract Price allocable to Contract requirements properly provided, labor, materials and equipment properly incorporated in the Project, and materials or equipment necessary for the Project and properly stored at the Project site (or elsewhere if offsite storage is approved in writing by the Owner), less the total amount of previous payments received from the Owner. Any payment on account of stored materials or equipment will be subject to the Contractor providing written proof that the Owner has title to such materials or equipment and that they are fully insured against loss or damage. Each such Payment Request shall be signed by the Contractor and shall constitute the Contractor's representation that the quantity of work has reached the level for which payment is requested, that the work has been properly installed or performed in strict compliance with this Contract, and that the Contractor knows of no reason why payment should not be made as requested. Thereafter, the Project Manager shall review the Payment Request and may also review the work at the Project site or elsewhere to determine whether the quantity and quality of the work is as represented in the Payment Request and is as required by this Contract. The Project Manager shall approve in writing the amount which, in the opinion of the Project Manager, is properly owing to the Contractor. **The Owner shall make payment to the Contractor within THIRTY (30) days following the Project Manager's written approval of each Payment Request.** The amount of each such payment shall be the amount approved for payment by the Project Manager less such amounts, if any, otherwise owing by the Contractor to the Owner or which the Owner shall have the right to withhold as authorized by this Contract. The Project Manager's approval of the Contractor's Payment Requests shall not preclude the Owner from the exercise of any of its rights as set forth in Subparagraph 7(F) herein below. The submission by the Contractor of a Payment Request also constitutes an affirmative representation and warranty that all work for which the Owner has previously paid is free and clear of any lien, claim, or other encumbrance of any person whatsoever. As a condition precedent to payment, the Contractor shall, if required by the Owner, also furnish to the Owner properly executed waivers of lien, in a form acceptable to the Owner, from all subcontractors, materialmen, suppliers or others having lien rights, wherein said subcontractors, materialmen, suppliers or others having lien rights, shall acknowledge receipt of all sums due pursuant to all prior Payment Requests and waive and relinquish any liens, lien rights or other claims relating to the Project site. Furthermore, the Contractor warrants and represents that, upon payment of the Payment Request submitted, title to all work included in such payment shall be vested in the Owner;

(D) When payment is received from the Owner, the Contractor shall immediately pay all subcontractors, materialmen, laborers and suppliers the amounts they are due for the work covered by such payment. In the event the Owner becomes informed that the Contractor has not paid a subcontractor, materialman, laborer, or supplier as provided herein, the Owner shall have the right, but not the duty, to issue future checks and

payment to the Contractor of amounts otherwise due hereunder naming the Contractor and any such subcontractor, materialman, laborer, or supplier as joint payees. Such joint check procedure, if employed by the Owner, shall create no rights in favor of any person or entity beyond the right of the named payees to payment of the check and shall not be deemed to commit the Owner to repeat the procedure in the future;

(E) Neither payment to the Contractor, utilization of the Project for any purpose by the Owner, nor any other act or omission by the Owner shall be interpreted or construed as an acceptance of any work of the Contractor not strictly in compliance with this Contract;

(F) The Owner shall have the right to refuse to make payment and, if necessary, may demand the return of a portion of or the entire amount previously paid to the Contractor due to:

- (1) The quality of a portion, or all, of the Contractor's work not being in accordance with the requirements of this Contract;
- (2) The quantity of the Contractor's work not being as represented in the Contractor's Payment Request, or otherwise;
- (3) The Contractor's rate of progress being such that, in the Owner's opinion, Substantial Completion or final completion, or both, may be inexcusably delayed;
- (4) The Contractor's failure to use Contract funds, previously paid the Contractor by the Owner, to pay Contractor's Project-related obligations including, but not limited to, subcontractors, laborers and material and equipment suppliers;
- (5) Claims made, or likely to be made, against the Owner or its property;
- (6) Loss caused by the Contractor;
- (7) The Contractor's failure or refusal to perform any of its obligations to the Owner.

In the event that the Owner makes written demand upon the Contractor for amounts previously paid by the Owner as contemplated in this Subparagraph 7(F), the Contractor shall promptly comply with such demand;

(G) If within thirty (30) days from the date payment to the Contractor is due, the Owner, without cause or basis hereunder, fails to pay the Contractor any amounts then due and payable to the Contractor, the Contractor shall have the right to cease work until receipt of proper payment after first providing ten (10) days' written notice of its intent to cease work to the Owner. Any payment not made within thirty (30) days after the date due shall bear interest at the applicable rate under the Texas Prompt Pay Act, Government Code Chapter 2251;

(H) When Substantial Completion has been achieved, the Contractor shall notify the Owner and the Project Manager in writing and shall furnish to the Project Manager a listing of those matters yet to be finished. The Project Manager will thereupon conduct an inspection to confirm that the work is in fact substantially complete. Upon its confirmation that the Contractor's work is substantially complete, the Project Manager will so notify the Owner and Contractor in writing and will therein set forth the date of Substantial Completion. If the Project Manager, through its inspection, fails to find that the Contractor's work is substantially complete, and is required to repeat all, or any portion, of its Substantial Completion inspection, the Contractor shall bear the cost of such repeat inspection(s) which cost may be deducted by the Owner from any payment then or thereafter due to the Contractor. Guarantees and equipment warranties required by this Contract shall commence on the date of Substantial Completion. Upon Substantial Completion, the Owner shall pay the Contractor an amount sufficient to increase total payments to the Contractor to one hundred percent (100%) of the Contract Price less any amounts attributable to liquidated damages, together with One Hundred percent (100%) of the reasonable costs as determined by the Owner for completing all incomplete work, correcting and bringing into conformance all defective and nonconforming work, and handling any outstanding or threatened claims;

(I) When the Project is finally complete and the Contractor is ready for a final inspection, it shall notify the Owner and the Project Manager thereof in writing. Thereupon, the Project Manager will perform a final inspection of the Project. If the Project Manager confirms that the Project is complete in full accordance with this Contract and that the Contractor has performed all of its obligations to the Owner hereunder, the Project Manager will furnish a final Approval for Payment to the Owner certifying to the Owner that the Project is complete and the Contractor is entitled to the remainder of the unpaid Contract Price, less any amount withheld pursuant to this Contract. If the Project Manager is unable to issue its final Approval for Payment and is required to repeat its final inspection of the Project, the Contractor shall bear the cost of such repeat inspection(s), which costs may be deducted by the Owner from the Contractor's final payment;

(J) If the Contractor fails to achieve **final completion** within **FIFTEEN (15)** days of the date of Substantial Completion, the Contractor shall pay the Owner the sum of _____ **Dollars (\$.00)** per day for each and every calendar day of unexcused delay in achieving final completion beyond the date set forth herein for final completion of the work. Any sums due and payable hereunder by the Contractor shall be payable, not as a penalty, but as liquidated damages representing an estimate of delay damages likely to be sustained by the Owner, estimated at or before the time of executing this Contract. When the Owner reasonably believes that final completion will be inexcusably delayed, the Owner shall be entitled, but not required, to withhold from any amounts otherwise due the Contractor an amount then believed by the Owner to be adequate to recover liquidated damages applicable to such delays. If and when the Contractor overcomes the delay in achieving final completion, or any part thereof, for which the Owner has withheld payment, the Owner shall promptly release to the Contractor those funds withheld, but no longer applicable, as liquidated damages;

(K) Prior to being entitled to receive final payment and as a condition precedent thereto, the Contractor shall furnish the Owner, in the form and manner required by Owner, if any, with a copy to the Project Manager:

(1) An affidavit that all of the Contractor's obligations to subcontractors, laborers, equipment or material suppliers, or other third parties in connection with the Project, have been paid or otherwise satisfied;

(2) If required by the Owner, separate releases of lien or lien waivers from each subcontractor, lower tier subcontractor, laborer, supplier or other person or entity who has, or might have a claim against the Owner or the Owner's property;

(3) If applicable, consent(s) of surety to final payment;

(4) All product warranties, operating manuals, instruction manuals and other record documents, drawings and things customarily required of the Contractor, or expressly required herein, as a part of or prior to Project closeout;

(L) The Owner shall, subject to its rights set forth in Subparagraph 7(F) above, make final payment of all sums due the Contractor within ten (10) days of the Project Manager's execution of a final Approval for Payment.

9.

INFORMATION AND MATERIAL SUPPLIED BY THE OWNER

(A) The Owner shall furnish to the Contractor, prior to the execution of this Contract, any and all written and tangible material in its possession concerning conditions below ground at the site of the Project. Such written and tangible material is furnished to the Contractor only in order to make complete disclosure of such material as being in the possession of the Owner and for no other purpose. By furnishing such material, the Owner does not represent, warrant, or guarantee its accuracy either in whole, in part, implicitly or explicitly, or at all, and shall have no liability therefore. The Owner shall also furnish, if appropriate, the legal description of the Project site, and any required survey;

(B) The Owner shall obtain all required authorizations, approvals, easements, and the like excluding the building permit and other permits or fees required of the Contractor by this Contract, or permits and fees customarily the responsibility of the Contractor;

10.

CEASE AND DESIST ORDER

In the event the Contractor fails or refuses to perform the work as required herein, the Owner may instruct the Contractor to cease and desist from performing further work in whole or in part. Upon receipt of such instruction, the Contractor shall immediately cease and desist as instructed by the Owner and shall not proceed further until the

cause for the Owner's instructions has been corrected, no longer exists, or the Owner instructs that the work may resume. In the event the Owner issues such instructions to cease and desist, and in the further event that the Contractor fails and refuses within seven (7) days of receipt of same to provide adequate assurance to the Owner that the cause of such instructions will be eliminated or corrected, then the Owner shall have the right, but not the obligation, to carry out the work with its own forces, or with the forces of another contractor, and the Contractor shall be fully responsible and liable for the costs of performing such work by the Owner. The rights set forth herein are in addition to, and without prejudice to, any other rights or remedies the Owner may have against the Contractor.

11.

DUTIES, OBLIGATIONS AND RESPONSIBILITIES OF THE CONTRACTOR

In addition to any and all other duties, obligations and responsibilities of the Contractor set forth in this Contract, the Contractor shall have and perform the following duties, obligations and responsibilities to the Owner:

(A) The Contractor is again reminded of its continuing duties set forth in Subparagraph 3(G), which are by reference hereby incorporated in this Subparagraph 10(A). The Contractor shall not perform work without adequate plans and specifications, or, as appropriate, approved shop drawings, or other submittals. If the Contractor performs work knowing or believing it involves an error, inconsistency or omission in the Contract without first providing written notice to the Project Manager and Owner, the Contractor shall be responsible for such work and pay the cost of correcting same;

(B) All work shall strictly conform to the requirements of this Contract;

(C) The work shall be strictly supervised, the Contractor bearing full responsibility for any and all acts or omissions of those engaged in the work on behalf of the Contractor;

(D) The Contractor hereby warrants that all labor furnished under this Contract shall be competent to perform the tasks undertaken, that the product of such labor shall yield only first-class results, that all materials and equipment provided shall be new and of high quality, that the completed work will be complete, of high quality, without defects, and that all work strictly complies with the requirements of this Contract. Any work not strictly complying with the requirements of this Subparagraph shall constitute a breach of the Contractor's warranty;

(E) The Contractor shall obtain and pay for all required permits, fees and licenses customarily obtained by the Contractor. The Contractor shall comply with all legal requirements applicable to the work. **CONTRACTOR SHALL LAWFULLY DISPOSE OF ALL CONSTRUCTION MATERIALS, CHEMICALS, AND DEBRIS AND SHALL INDEMNIFY AND HOLD OWNER HARMLESS FOR THE UNLAWFUL DISPOSAL**

OF ALL CONSTRUCTION MATERIALS, CHEMICALS, AND DEBRIS DONE BY CONTRACTOR OR ITS SUBCONTRACTOR(S) IN FURTHERANCE OF THIS CONTRACT;

(F) The Contractor shall employ and maintain at the Project site only competent supervisory personnel. **Key supervisory personnel assigned by the Contractor to this Project are as follows:**

NAME	FUNCTION
_____	_____
_____	_____
_____	_____

So long as the individuals named above remain actively employed or retained by the Contractor, they shall perform the functions indicated next to their names unless the Owner agrees to the contrary in writing. In the event one or more individuals not listed above subsequently assumes one or more of those functions listed above, the Contractor shall be bound by the provisions of this Subparagraph 10(f) as though such individuals had been listed above;

(G) The Contractor, within **TEN (10) days** of commencing the work, shall provide to the Owner and the Project Manager, and comply with, the **Contractor's schedule for completing the work**. Such schedule shall be in a form acceptable to the Owner. The Contractor's schedule shall be updated no less frequently than monthly (unless the parties otherwise agree in writing) and shall be updated to reflect conditions encountered from time to time and shall apply to the total Project. Each such revision shall be furnished to the Owner and the Project Manager. Strict compliance with the requirements of this Subparagraph 10(G) shall be a condition precedent to payment to the Contractor, and failure by the Contractor to strictly comply with said requirements shall constitute a material breach of this Contract;

(H) The Contractor shall keep an updated copy of this Contract at the site. Additionally, the Contractor shall keep a copy of approved shop drawings and other submittals. All of these items shall be available to the Owner and the Project Manager at all regular business hours. Upon final completion of the work, all of these items shall be finally updated and provided to the Owner and shall become the property of the Owner;

(I) Shop drawings and other submittals from the Contractor do not constitute a part of the Contract. The Contractor shall not do any work requiring shop drawings or other submittals unless such shall have been approved in writing by the Project Manager. All work requiring approved shop drawings or other submittals shall be done in strict compliance with such approved documents. However, approval by the Project Manager or the Owner shall not be evidence that work installed pursuant thereto conforms to the requirements of this Contract. The Owner and the Project Manager shall have no duty to review partial submittals or incomplete submittals. The Contractor shall maintain a submittal log which shall include, at a minimum, the date of each submittal, the date of any resubmittal,

the date of any approval or rejection, and the reason for any approval or rejection. The Contractor shall have the duty to carefully review, inspect and examine any and all submittals before submission of same to the Owner or the Project Manager;

(J) The Contractor shall maintain the Project site in a reasonably clean condition during performance of the work. Upon final completion, the Contractor shall thoroughly clean the Project site of all debris, trash and excess materials or equipment;

(K) At all times relevant to this Contract, the Contractor shall permit the Owner and the Project Manager to enter upon the Project site and to review or inspect the work without formality or other procedure.

12.

INDEMNITY

THE CONTRACTOR SHALL INDEMNIFY AND HOLD THE OWNER HARMLESS FROM ANY AND ALL CLAIMS, LIABILITY, DAMAGES, LOSS, COST AND EXPENSE OF EVERY TYPE WHATSOEVER INCLUDING, WITHOUT LIMITATION, ATTORNEYS' FEES AND EXPENSES, IN CONNECTION WITH THE CONTRACTOR'S PERFORMANCE OF THIS CONTRACT, PROVIDED THAT SUCH CLAIMS, LIABILITY, DAMAGE, LOSS, COST OR EXPENSE IS DUE TO SICKNESS, PERSONAL INJURY, DISEASE OR DEATH, THE UNLAWFUL DISPOSAL OF CONSTRUCTION MATERIALS, CHEMICALS, OR DEBRIS, OR TO LOSS OR DESTRUCTION OF TANGIBLE PROPERTY (OTHER THAN THE WORK ITSELF), INCLUDING LOSS OF USE RESULTING THERE FROM, TO THE EXTENT CAUSED BY THE CONTRACTOR, OR ANYONE FOR WHOSE ACTS THE CONTRACTOR MAY BE LIABLE, REGARDLESS OF WHETHER SUCH LIABILITY, CLAIM, DAMAGE, LOSS, COST OR EXPENSE IS CAUSED IN PART BY THE OWNER.

13.

CLAIMS BY THE CONTRACTOR

Claims by the Contractor against the Owner are subject to the following terms and conditions:

(A) All Contractor claims against the Owner shall be initiated by a written claim submitted to the Owner and the Project Manager. Such claim shall be received by the Owner and the Project Manager no later than seven (7) calendar days after the event, or the first appearance of the circumstances, causing the claim, and same shall set forth in detail all known facts and circumstances supporting the claim;

(B) The Contractor and the Owner shall continue their performance hereunder regardless of the existence of any claims submitted by the Contractor;

(C) In the event the Contractor discovers previously concealed and unknown site conditions which are materially at variance from those typically and ordinarily encountered in the general geographical location of the Project, the Contract Price shall be modified, either upward or downward, upon the written claim made by either

party within seven (7) calendar days after the first appearance to such party of the circumstances. As a condition precedent to the Owner having any liability to the Contractor due to concealed and unknown conditions, the Contractor must give the Owner and the Project Manager written notice of, and an opportunity to observe, such condition prior to disturbing it. The failure by the Contractor to give the written notice and make the claim as provided by this Subparagraph 13(C) shall constitute a waiver by the Contractor of any rights arising out of or relating to such concealed and unknown condition;

(D) In the event the Contractor seeks to make a claim for an increase in the Contract Price, as a condition precedent to any liability of the Owner therefore, the Contractor shall strictly comply with the requirements of Subparagraph 13(A) above and such claim shall be made by the Contractor before proceeding to execute any additional or changed work. Failure of the condition precedent to occur shall constitute a waiver by the Contractor of any claim for additional compensation;

(E) In connection with any claim by the Contractor against the Owner for compensation in excess of the Contract Price, any liability of the Owner for the Contractor's cost shall be strictly limited to direct cost incurred by the Contractor and shall in no event include indirect cost or consequential damages of the Contractor. The Owner shall not be liable to the Contractor for claims of third-parties including subcontractors, unless and until liability of the Contractor has been established therefore in a court of competent jurisdiction;

(F) In the event the Contractor should be delayed in performing any task which at the time of the delay is then critical, or which during the delay becomes critical, as the sole result of any act or omission by the Owner or someone acting in the Owner's behalf, or by Owner-authorized Change Orders, unusually bad weather not reasonably anticipatable, fire or other Acts of God, the date for achieving Substantial Completion, or, as applicable, final completion, shall be appropriately adjusted by the Owner upon the written claim of the Contractor to the Owner and the Project Manager. A task is critical within the meaning of this Subparagraph 13(F) if, and only if, said task is on the critical path of the Project schedule so that a delay in performing such task will delay the ultimate completion of the Project. Any claim for an extension of time by the Contractor shall strictly comply with the requirements of Subparagraph 13(A) above. If the Contractor fails to make such claim as required in this Subparagraph 13(F), any claim for an extension of time shall be waived.

(G) The notice provisions contained in this Section 13 are the mechanism for perfecting a request by the Contractor for an adjustment of compensation, contract deliverables, and/or time for completion. The notice provisions are separate and apart from the "notice of a claim for damages as a condition precedent to the right to sue on the contract" as provided in Texas Civil Practice and Remedies Code § 16.071(a)

14. **SUBCONTRACTORS**

Upon execution of this Contract, the Contractor shall identify to the Owner and the Project Manager, in writing, those parties intended as subcontractors on the Project.

The Owner shall, in writing, state any objections the Owner may have to one or more of such subcontractors. The Contractor shall not enter into a subcontract with an intended subcontractor with reference to whom the Owner objects. All subcontracts shall afford the Contractor rights against the subcontractor which correspond to those rights afforded to the Owner against the Contractor herein, including those rights of Contract termination as set forth herein below.

15.

CHANGE ORDERS

One or more changes to the work within the general scope of this Contract may be ordered by Change Order. The Contractor shall proceed with any such changes, and same shall be accomplished in strict accordance with the following terms and conditions:

(A) Change Order shall mean a written order to the Contractor executed by the Owner and the Project Manager after execution of this Contract, directing a change in the work and may include a change in the Contract Price or the time for the Contractor's performance, or any combination thereof;

(B) Any change in the Contract Price resulting from a Change Order shall be determined as follows:

(1) By mutual agreement between the Owner and the Contractor as evidenced by (a) the change in the Contract Price being set forth in the Change Order, (b) such change in the Contract Price, together with any conditions or requirements relating thereto, being initialed by both parties and (c) the Contractor's execution of the Change Order, or,

(2) If no mutual agreement occurs between the Owner and the Contractor, the change in the Contract Price, if any, shall be derived by determining the reasonable actual costs incurred or savings achieved, resulting from revisions in the work. Such reasonable actual costs or savings shall include a component for direct jobsite overhead and profit but shall not include home-office overhead or other indirect costs or components. Any such costs or savings shall be documented in the format and with such content and detail as the Owner or the Project Manager requires.

(C) The execution of a Change Order by the Contractor shall constitute conclusive evidence of the Contractor's agreement to the ordered changes in the work, this Contract as thus amended, the Contract Price and the time for performance by the Contractor. The Contractor, by executing the Change Order, waives and forever releases any claim against the Owner for additional time or compensation for matters relating to or arising out of or resulting from the work included within or affected by the executed Change Order;

(D) The Contractor shall notify and obtain the consent and approval of the Contractor's surety with reference to all Change Orders if such notice, consent or approval is required by the Owner, the Project Manager, the Contractor's surety, or by law. The Contractor's execution of the Change Order shall constitute the Contractor's warranty to the Owner that the surety has been notified of, and consents to, such Change Order and the surety shall be conclusively deemed to have been notified of such Change Order and to have expressly consented thereto.

16.

DISCOVERING AND CORRECTING DEFECTIVE OR INCOMPLETE WORK

(A) In the event that the Contractor covers, conceals or obscures its work in violation of this Contract or in violation of a directive from the Owner or the Project Manager, such work shall be uncovered and displayed for the Owner's or Project Manager's inspection upon request, and shall be reworked at no cost in time or money to the Owner;

(B) If any of the work is covered, concealed or obscured in a manner not covered by Subparagraph 16(A) above, it shall, if directed by the Owner or the Project Manager be uncovered and displayed for the Owner's or Project Manager's inspection. If the uncovered work conforms strictly to this Contract, the costs incurred by the Contractor to uncover and subsequently, replace such work shall be borne by the Owner. Otherwise, such costs shall be borne by the Contractor;

(C) The Contractor shall, at no cost in time or money to the Owner, correct work rejected by the Owner or by the Project Manager as defective or failing to conform to this Contract. Additionally, the Contractor shall reimburse the Owner for all testing, inspections and other expenses incurred as a result thereof;

(D) In addition to its warranty obligations set forth elsewhere herein, the Contractor shall be specifically obligated to correct any and all defective or nonconforming work for a period of **TWO (2) years** following final completion upon written direction from the Owner.

(E) The Owner may, but shall in no event be required to, choose to accept defective or nonconforming work. In such event, the Contract Price shall be reduced by the greater of (1) the reasonable costs of removing and correcting the defective or nonconforming work, and (2) the difference between the fair market value of the Project as constructed and the fair market value of the Project had it not been constructed in such a manner as to include defective or nonconforming work. If the remaining portion of the unpaid Contract Price, if any, is insufficient to compensate the Owner for the acceptance of defective or nonconforming work, the Contractor shall, upon written demand from the Owner, pay the Owner such remaining compensation for accepting defective or nonconforming work.

17.

TERMINATION BY THE CONTRACTOR

If the Owner repeatedly fails to perform its material obligations to the Contractor for a period of thirty (30) days after receiving written notice from the Contractor of its intent to terminate hereunder, the Contractor may terminate performance under this Contract by written notice to the Owner and the Project Manager. In such event, the Contractor shall be entitled to recover from the Owner as though the Owner had terminated the Contractor's performance under this Contract for convenience pursuant to

Subparagraph 19(A) hereunder.

18.

OWNER'S RIGHT TO SUSPEND CONTRACTOR'S PERFORMANCE

(A) The Owner shall have the right at any time to direct the Contractor to suspend its performance, or any designated part thereof, for any reason whatsoever, or without reason, for a cumulative period of up to THIRTY (30) calendar days. If any such suspension is directed by the Owner, the Contractor shall immediately comply with same;

(B) In the event the Owner directs a suspension of performance under this Paragraph 18, through no fault of the Contractor, the Owner shall pay the Contractor as full compensation for such suspension the Contractor's reasonable costs, actually incurred and paid, of:

- (1) Demobilization and remobilization, including such costs paid to subcontractors;
- (2) Preserving and protecting work in place;
- (3) Storage of materials or equipment purchased for the Project, including insurance thereon;
- (4) Performing in a later, or during a longer, time frame than that contemplated by this Contract.

19.

TERMINATION BY THE OWNER

The Owner may terminate this Contract in accordance with the following terms and conditions:

(A) The Owner may, for any reason whatsoever, terminate performance under this Contract by the Contractor for convenience. The Owner shall give written notice of such termination to the Contractor specifying when termination becomes effective. The Contractor shall incur no further obligations in connection with the work and the Contractor shall stop work when such termination becomes effective. The Contractor shall also terminate outstanding orders and subcontracts. The Contractor shall settle the liabilities and claims arising out of the termination of subcontracts and orders. The Owner may direct the Contractor to assign the Contractor's right, title and interest under termination orders or subcontracts to the Owner or its designee. The Contractor shall transfer title and deliver to the Owner such completed or partially completed work and materials, equipment, parts, fixtures, information and Contract rights as the Contractor has. When terminated for convenience, the Contractor shall be compensated as follows:

- (1) The Contractor shall submit a termination claim to the Owner and the Project Manager specifying the amounts due because of the termination for

convenience together with costs, pricing or other data required by the Owner or the Project Manager. If the Contractor fails to file a termination claim within one

(1) year from the effective date of termination, the Owner shall pay the Contractor, an amount derived in accordance with Subparagraph (3) below;

(2) The Owner and the Contractor may agree to the compensation, if any, due to the Contractor hereunder;

(3) Absent agreement to the amount due to the Contractor, the Owner shall pay the Contractor the following amounts:

(a) Contract prices for labor, materials, equipment and other services accepted under this Contract;

(b) Reasonable costs incurred in preparing to perform and in performing the terminated portion of the work, and in terminating the Contractor's performance, plus a fair and reasonable allowance for direct jobsite overhead and profit thereon (such profit shall not include anticipated profit or consequential damages); provided however, that if it appears that the Contractor would have not profited or would have sustained a loss if the entire Contract would have been completed, no profit shall be allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss, if any;

(c) Reasonable costs of settling and paying claims arising out of the termination of subcontracts or orders pursuant to Subparagraph 19(A) of this Paragraph. These costs shall not include amounts paid in accordance with other provisions hereof.

The total sum to be paid the Contractor under this Subparagraph 19(A) shall not exceed the total Contract Price, as properly adjusted, reduced by the amount of payments otherwise made, and shall in no event include duplication of payment.

(B) If the Contractor does not perform the work, or any part thereof, in a timely manner, supply adequate labor, supervisory personnel or proper equipment or materials, or if it fails to timely discharge its obligations for labor, equipment and materials, or proceeds to disobey applicable law, or otherwise commits a violation of a material provision of this Contract, then the Owner, in addition to any other rights it may have against the Contractor or others, may terminate the performance of the Contractor and assume possession of the Project site and of all materials and equipment at the site and may complete the work. In such case, the Contractor shall not be paid further until the work is complete. After final completion has been achieved, if any portion of the Contract Price, as it may be modified hereunder, remains after the cost to the Owner of completing the work, including all costs and expenses of every nature incurred, has been deducted by the Owner, such remainder shall belong to the Contractor. Otherwise, the Contractor shall pay and make whole the Owner for such

cost. This obligation for payment shall survive the termination of the Contract. In the event the employment of the Contractor is terminated by the Owner for

cause pursuant to this Subparagraph 19(B) and it is subsequently determined by a Court of competent jurisdiction that such termination was without cause, such termination shall thereupon be deemed a Termination for Convenience under Subparagraph 19(A) and the provisions of Subparagraph 19(A) shall apply.

20.

INSURANCE

The Contractor shall have and maintain insurance in accordance with the requirements of Exhibit "A" attached hereto and incorporated herein by reference.

21.

SURETY BONDS

The Contractor shall furnish **separate performance and payment bonds to the Owner within FIVE (5) calendar days of execution of contract**. If the 5th calendar day is a Saturday, Sunday, or County holiday, Contractor may furnish the bonds to Owner on the next County business day. Each bond shall set forth a penal sum in an amount not less than the Contract Price. Each bond furnished by the Contractor shall incorporate by reference the terms of this Contract as fully as though they were set forth verbatim in such bonds. In the event the Contract Price is adjusted by Change Order executed by the Contractor, the penal sum of both the performance bond and the payment bond shall be deemed increased by like amount. The performance and payment bonds furnished by the Contractor shall be in form suitable to the Owner and shall be executed by a surety, or sureties, reasonably acceptable to the Owner.

22.

PROJECT RECORDS

All documents relating in any manner whatsoever to the Project, or any designated portion thereof, which are in the possession of the Contractor, or any subcontractor of the Contractor, shall be made available to the Owner or the Project Manager for inspection and copying upon written request by the Owner. Furthermore, said documents shall be made available, upon request by the Owner, to any state, federal or other regulatory authority and any such authority may review, inspect and copy such records. Said records include, but are not limited to, all drawings, plans, specifications, submittals, correspondence, minutes, memoranda, tape recordings, videos, or other writings or things which document the Project, its design, and its construction. Said records expressly include those documents reflecting the cost of construction to the Contractor. The Contractor shall maintain and protect these documents for no less than four (4) years after final completion of the Project, or for any longer period of time as may be required by law or good construction practice.

PREVAILING WAGE RATES AND APPRENTICESHIP PROGRAM

(A) The Contractor is aware that and hereby agrees that not less than the prevailing wage rates adopted by the El Paso County Commissioners Court October 10, 2016 for Highway/Heavy Construction and for Building Construction Trades in effect on the date of this Contract shall be paid to all workers on the Project. A copy of the Prevailing Wage Rates for Building and a copy of the Definitions for Building Labor Classifications are attached hereto as Exhibit 7 and Prevailing Wage Rates for Heavy / Highway and a copy of the Definitions for Heavy / Highway Labor Classifications are attached as Exhibits 8, and Exhibits 7 and 8 are incorporated herein by reference and are a part of this contract for all purposes.

(B) Contractor agrees to comply with Tex. Gov't Code Sections 2258.001 through 2258.058 and acknowledges that it understands that it will pay to the Owner the sum specified in Tex. Gov't Code Section 2258.023, as amended, (presently \$60.00 per day or part of a day, per worker), in the event a worker is paid less than said prevailing wage rates set forth in this contract.

(C) The Contractor agrees to keep records showing the name and occupation of each worker employed by the contractor or subcontractor in the construction of the public work and the actual per diem wages paid to each worker. The Contractor further agrees that such records shall be open at all reasonable hours to inspection by the County through its officers and agents.

(D) Contractor agrees to comply with the County's Apprenticeship Program requirement for each apprenticable trade specified by the County, according to the requirements of the County's adopted apprenticeship program as more specifically described in **Exhibit 9**, which Exhibit is incorporated herein by reference thereto and made a part of this contract for all purposes.

(E) The Contractor shall post the prevailing wage rate schedules and prevailing wage rate definitions made part of this contract at each work site in a prominent location readily accessible to the workers through the duration of the project. In addition, the Contractor shall post a notice to be provided by the Owner's Representative, the Director of Public Works, regarding Prevailing Wage Rates and the County Apprenticeship Program, in English and Spanish, which shall be posted nearby the prevailing wage rate schedules.

(F) Upon a determination by the County that there is good cause to believe that a contractor has violated Chapter 2258 of the Texas Local Government Code, including the County's requirement to maintain specified Apprenticeship Programs, the County shall withhold any amount due under the contract, up to and including the entire contract price, which the Commissioners Court or its agent, in the exercise of reasonable discretion, determines is sufficient to 1) cover the costs to pay the worker the difference between the amount the worker received in wages for labor on the public

work at the rate paid by the contractor or subcontractor and the amount the worker would have received at the

prevailing wage rate and 2) cover the costs of penalties under Section 2258.023 and 3) to ensure compliance with Chapter 2258 for the duration of the project.

(F) Payroll Records: At the time the Contractor submits its applications for progress payments to the project Engineer, the Contractor shall provide a certified payroll for all employees during the period of that pay request.

(G) No worker shall be discharged by the Contractor or Subcontractor or in any other manner discriminated against because such worker has filed an inquiry or complaint or instituted or caused to be instituted any legal or equitable proceeding or has testified or is about to testify in any such proceeding under or relating to the prevailing wage rate laws, the apprenticeship program or the provisions of this contract.

(H) The Contractor and subcontractors shall allow expeditious jobsite entry by the Owner, and its designees, agents and representatives displaying and presenting proper identification credentials to the jobsite superintendent or his/her representative. While on the jobsite the Owner and its designees, engineers, agents and representatives shall observe all jobsite rules and regulations concerning safety, internal security and fire prevention. The Contractor and subcontractors shall allow project employees to be interviewed at random for a reasonable duration by the Owner and its designees, agents and representatives to facilitate compliance determinations regarding the prevailing wage rate payment provisions and apprenticeship program provisions of this contract. In the event a particular work element of the project calls for a certain employee classification and skill that is not listed in the prevailing wage rate schedules in the contract, the Contractor shall notify the Owner's Representative, the Director of Public Works, who shall investigate the matter and make a recommendation to the Commissioners Court to make a special wage rate determination as required.

(I) In accordance with the Order of the Commissioners Court of El Paso County Regarding Apprenticeship Program Requirements adopted in 2008, a copy of which is attached hereto as part of **Exhibit 9**, the Contractor and all subcontractors must comply with the following:

1. must sponsor or participate in a DOL certified apprenticeship program for all job classifications utilized on the project and which are "apprenticeable occupations" as defined by DOL regulations;
2. must hire registered apprentices enrolled in a DOL certified apprenticeship program;
3. may not substitute helpers or unregistered apprentices to perform apprentice level work in place of registered apprentices;
4. must pay wage rates and benefits package for apprentices as determined

by the apprenticeship program/DOL;

5. must comply with DOL requirements for the ratio of apprentices to journeymen;
6. must hire apprentices in all job classifications utilized on the project and which are "apprenticeable occupations" as defined by DOL regulations, unless such placement would not be approved by the apprenticeship program.

(J) The Contractor shall provide the names of all apprentices on the project, verification of their status as registered apprentices, and documentation as to their proper wage rates and journeyman to apprentice ratios as determined by the apprenticeship program.

(K) The County reserves the right to terminate this Contract for cause if the Contractor and/or subcontractors shall breach any of these provisions regarding the payment of prevailing wages or the apprenticeship program.

(L) The Contractor shall cause these and any other appropriate prevailing wage rate and apprenticeship program provisions to be inserted in all subcontracts relative to the work to bind the subcontractors to the same prevailing wage rate and apprenticeship program provisions as are applicable to the Contractor.

(M) The Contractor shall verify that all persons working on this Project, whether Contractor's employees or subcontractor's employees have valid work permits issued by the United States government. Contractor shall maintain copies of work documentation in his office, available for inspection during normal working hours for all employees working on this site.

24.

APPLICABLE LAW

The law applicable to this Contract is hereby agreed to be the law of the State of Texas and venue shall lie in El Paso County.

25.

**SUCCESSORS AND
ASSIGNS**

Each party binds itself, its successors, assigns, executors, administrators or other representatives to the other party hereto and to successors, assigns, executors, administrators or other representatives of such other party in connection with all terms and conditions of this Contract. The Contractor shall not assign this Contract without prior written consent of the Owner.

IN WITNESS WHEREOF THE PARTIES EXECUTE THIS

CONTRACT: OWNER

CONTRACTOR

THE COUNTY OF EL PASO

By _____

Ricardo A. Samaniego
El Paso County Judge

Date _____

By _____

Director of Public Works El Paso County, Texas

Date _____

By _____

Name
TITLE

(Signor must be authorized to bind corporation)

Date _____

APPROVED AS TO FORM ONLY:

Assistant County Attorney

U. CHILD SUPPORT STATEMENT

CHILD SUPPORT STATEMENT

Under Section 231.006, Family Code, the vendor or applicant certifies that the individual or business entity named in this contract, bid, or application is not ineligible to receive the specified grant, loan, or payment and acknowledges that this contract may be terminated and payment may be withheld if this certification is inaccurate.

Signature

State of Texas Child Support Business Ownership Form

County: _____

Project Name: _____

TxDOT CSJ: _____

LG Project Number: _____

Business Entity Submitting Bid: _____

Section 231.006, Family Code, requires a bid for a contract paid from state funds to include the names and social security number of individuals owning 25% or more of the business entity submitting the bid.

1. In the spaces below please provide the names and social security number of individuals owning 25% or more of the business.

Name	Social Security Number
_____	_____
_____	_____
_____	_____
_____	_____

2. Please check the box below if no individual owns 25% or more of the business.

() No individual own 25% or more of the business.

Except as provided by Section 231.302(d), Family Code, a social security number is confidential and may be disclosed only for the purpose of responding to a request for information from an agency operating under the provisions of Part A and D to Title IV of the Federal Social Security Act (42 USC Section 601-617 and 651-699).

Under Section 231.006, Family Code, the vendor or applicant certifies that the individual or business entity named in this contract, bid, or application is not ineligible to receive the specified grant, loan, or payment and acknowledges that this contract may be terminated and payment may be withheld if this certification is inaccurate.

The information collected on this form will be maintained by Enter Local Government Name. With few exceptions, you are entitled on request to be informed about the information collected about you. Under Sections 552.021 and 552.023 of the Texas Government Code, you also are entitled to receive and review the information. Under Section 559.004 of the Government Code, you are also entitled to have information about you corrected that you believe is incorrect.

Signature

Date

Printed Name

IF THIS PROJECT IS A JOINT VENTURE,
ALL PARTIES TO THE JOINT VENTURE MUST PROVIDE A COMPLETED FORM.

V. DISADVANTAGED BUSINESS ENTERPRISES REQUIREMENTS

LOCAL GOVERNMENT NEWS

From the Local Government Projects Office



April 2019

Procedures for submitting DBE/HUB/SBE goal requests for LG projects

The federal Disadvantaged Business Enterprise (DBE) program and the state Historically Underutilized Business (HUB) and the Small Business Enterprise (SBE) programs have been developed to encourage participation by certified companies in the professional services and the construction industry.

On local government (LG) projects with federal funds participating in design and construction, the LG must adopt TxDOT's approved DBE program by execution of the Advance Funding Agreement or by signing a Memorandum of Understanding. On projects with state funds for design and construction, but no federal funds, the LG must comply with HUB/SBE program requirements. In all of these cases, a DBE/HUB/SBE goal will be set for the professional services or construction contract.

LG goal requests should be submitted directly to the single point of contact within the district. Typically, this will be the district's LG contact for that particular phase of the project. The district contact should then submit the formal goal setting request to the Civil Rights (CIV) Division.

Design Phase Goal

- During district review of the LG's professional services provider selection process, the district is to submit the proposed consultant scope of services to CIV_Reporting@txdot.gov to assign a DBE/HUB goal.
- Upon receipt of the design phase goal from CIV, the district communicates the DBE/HUB goal to the LG along with district approval for the proposed procurement process.
- The district verifies the assigned DBE/HUB goal is included in the professional services Request for Qualifications/Proposal and contract.
- For projects where the LG is performing the design services and not being reimbursed for this work with federal or state funds, the use of TxDOT's DBE program or the state's HUB/SBE programs are not required.

Construction Phase Goal

- The LG includes the DBE/SBE provisions in the bid document.
- The LG submits the estimate (including bid items and quantities) to the district project personnel along with the submittal of plans and bid documents for final approval prior to advertising.

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LOCAL GOVERNMENT NEWS

From the Local Government Projects Office



- The district submits the estimate to CIV_Reporting@txdot.gov in order for a DBE/SBE goal to be assigned.
- Upon receipt of the construction phase goal from CIV, the district communicates the DBE/SBE goal to the LG along with the plan/bid document review comments.
- The LG includes the CIV-provided project DBE/SBE goal in the bid document.
- The district verifies the DBE/SBE goal is included in the bid documents prior to the approval of the bid documents and the issuance of the State Letter of Authority/Federal Project Authorization and Agreement (as applicable).

When to Submit

It is recommended districts submit goal requests during the two weeks of the month following the week of TxDOT lettings. As an example, if TxDOT letting is on the 7th and 8th, please submit the LG project goal requests between the 13th and 24th of the same month. Submittals within this window should be fulfilled within two weeks. Submittals outside this window may take up to four weeks to be fulfilled.

Compliance and Monitoring of DBE Activities

CIV promotes diversity and inclusion opportunities within TXDOT's internal and external programs. In order to help LG and TxDOT district staff, CIV has developed the "Local Government DBE Compliance and Monitoring Guide," which provides guidance for LGs on the federal and state requirements of the DBE program. The guide contains the processes and procedures to be used by the LG to manage and monitor all phases of DBE compliance from project initiation to project close-out to ensure compliance. The guide is available at <http://onlinemanuals.txdot.gov/txdotmanuals/dlg/index.htm>.

Deadline quickly approaching for LGPP re-qualification

In 2016, TxDOT began requiring all "qualified persons" to take the Local Government Project Procedures (LGPP) Qualification course at least once every three years. Students who were qualified before June 30, 2016, were given until July 1, 2019, to re-take the class to remain qualified. The Local Government Projects (LGP) section is keeping this new requirement in mind as it considers possible dates and locations for training classes during the remainder of the fiscal year.

The LGPP training course provides an introduction to TxDOT's LGP program. Each local government managing a project in TxDOT's LGP program is required to have at least one qualified individual assigned to the project. Becoming qualified requires the successful completion of the 12-hour LGPP class.

A list of qualified persons who are not TxDOT employees is posted on LGP's training and qualification web page at <https://www.txdot.gov/government/programs/local-government-projects/training.html>. The list includes

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each individual's class completion date. It is up to each individual to monitor when his/her qualification expires.

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**DISADVANTAGED BUSINESS ENTERPRISES
REQUIREMENTS**

The following goal for disadvantaged business enterprises is established:

DBE 6%

Certification of DBE Goal Attainment

By *signing* the proposal, the Bidder certifies that the above DBE goal will be met by obtaining commitments equal to or exceeding the DBE percentage or that the Bidder will provide a good faith effort to substantiate the attempt to meet the goal.

Failure to provide commitments to meet the stated goal or provide a satisfactory good faith effort will be considered a breach of the requirements of the proposal. As a result, the bid proposal guaranty of the bidder will become property of the Department and the Bidder will be excluded for rebidding on the project when it is re-advertised.



**TxDOT Disadvantaged Business Enterprise
Contractor Certification of Good Faith Efforts**
(Submit completed GFE pages 1-5 only with back-ups, if any)

Purpose

The certification's intent is to document the good faith efforts (GFE) undertaken by the Contractor in soliciting and utilizing Disadvantaged Business Enterprises (DBE) to meet the good faith effort requirements for the contract. The completed certificate will assist the Texas Department of Transportation (TxDOT) to determine if the Contractor performed its due diligence in taking all necessary and reasonable steps by their scope, intensity, and appropriateness that could reasonably be expected to secure DBE participation, even if the contractor was not fully successful. Mere pro forma efforts are not good faith efforts to meet the DBE contract requirements. TxDOT will determine if the Contractor made satisfactory good faith efforts to achieve DBE participation. The burden of proof rests with the Contractor.

General

The information requested in this certificate is the information required by TxDOT to evaluate your firm's good faith efforts. TxDOT reserves the right to request further documentation from the Contractor to support and validate actions undertaken to secure participation.

Prime Contractor: _____

Project No or CSJ	County	Contract Amount	DBE Percentage	
			TxDOT Goal \$ _____ % _____	Proposed Goal to be met (GFE)

Provide a brief summary on why you believe your firm is unable to meet the assigned DBE goal on this contract. Attach additional pages if necessary.

GFE Activities

A. Notifying DBE Firms of Contracting Opportunities

1. List all DBE firms assigned to this contract:

Firm Name and Address	Subcontract Amount

2. Outreach: List all DBE firms and their description of work on this contract:

Firm Name	NAICS Codes	Description of Work on Project

3. List all attendance at pre-bid and business matchmaking meetings and events, advertising and/or written notices, posting of Notices of Sources Sought and/or Requests for Proposals, organizations or publications that received announcements or written notifications from the Contractor, date published/sent and provide follow-up activity details. Provide explanation if no follow-up activities were performed. TxDOT reserves the right to request copies of all announcements or notifications listed.

Published Announcement / Publication (Provide brief description)	Date Sent	Association / Organization	Contact Person & Phone	Date of Follow-Up Activities

List all attendance at pre-bid and business matchmaking meetings and events

Pre-Bid/Business Matchmaking Events	Association/Organization	Date Attended

B. Identifying Subcontractor Work Units

The Contractor is strongly encouraged to select portions of work to be subcontracted to increase the likelihood of achieving the DBE participation. In selecting work to be subcontracted, the Contractor shall consider, where it is appropriate, breaking down the project into economically feasible work units to facilitate and promote DBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces. This may include, where possible, establishing flexible timeframes for performance and delivery schedules in a manner that encourages and facilitates DBE participation.

1. Which portions or sections of the Scope of Work are able to be subcontracted?

2. Is there a DBE firm currently on the contract/project team able to perform the Scope of Work above or a portion of the work?

Yes No Name of firm _____

C. Providing Assistance to DBEs

1. Explain any efforts undertaken to provide DBE firms with adequate information in a timely manner about contract Scope of Work and requirements of this contract:

2. Describe any efforts undertaken to assist interested DBE firms in obtaining insurance bonding, lines of credit, or insurance required by TxDOT or the Contractor: Prior written approval from TxDOT required.

3. Describe any efforts undertaken to assist interested DBE firms in obtaining necessary equipment, supplies, materials, or related assistance or services: Prior written approval from TxDOT required.

4. Describe any efforts used to obtain services of available minority/women community organizations or other organizations:

D. Negotiating in Good Faith

Contractors shall solicit services in good faith with interested DBE firms listed in the Texas Unified Certification Program (TUCP) DBE directory with the certification NAICS code to perform the areas of work desired and which are located in the area or surrounding areas of the project. Proposals from interested DBE firms shall not be rejected by Contractors without sound business justification.

1. Provide the firm name, contact information and work proposed of all DBE firms that submitted a proposal for this contract that were not selected. The reason for rejection must be provided for CIV to determine the Contractor's satisfactory good faith efforts. If no DBE proposals were rejected, state "NONE":

NOTE: If subcontractor proposals are rejected due to excessive costs, the Contractor must submit copies of the quote to TxDOT to evaluate.

DBE Firm and Contact Person	Work Proposed	Explanation for Rejecting Proposal

2. Other comments or information you want CIV to consider as part of your good faith effort.

The undersigned, (Printed Name) _____ certifies that the information provided on this certificate is true and correct to the best of my knowledge and belief.

Signature: _____ Date: _____

Contractor/Authorized Representative

Note: The GFE form must be signed by an authorized signatory for the Contractor.

TxDOT Internal Use Only	
Date GFE Received: _____	Processed by: (Printed Name) _____
Signature: _____	Date: _____
Management Concurrence	
GFE Request <input type="checkbox"/> Approved <input type="checkbox"/> Denied: _____ Date _____	
Manager, Supervisor: (Printed Name) _____	
Signature: _____	Date: _____
DD, DE, or Designee: (Printed Name) _____	
Signature: _____	Date: _____



DBE Final Report

The DBE final report form should be filled out by the contractor and submitted to the appropriate district office upon completion of the project. One copy of the report must be submitted to the area engineer's office. The report should reflect all DBE activity on the project. The report will aid in expediting the final estimate for payment. If the DBE goal requirements were not met, documentation supporting good faith efforts must be submitted.

Project: _____ Contract CSJ: _____
 County: _____ Control Project: _____
 Letting Date: _____ DBE Goal: _____ %
 Contractor: _____ Contract Amount: _____

Vendor Number	Name of DBE Sub/Supplier	RC or RN*	DBE Goal – Total Amount Paid to Date†	Amount Paid to Non-DBE 2nd Tier Subs & Haulers‡	For TxDOT Use Only

* Race-Conscious or Race-Neutral.
 † Goal/commitment progress report amount and/or race-neutral amount. Do not subtract non-DBE second-tier subcontractors and haulers from this column.
 ‡ DBE subcontractors paid to non-DBE subcontractors/haulers.

Was there a project under-run caused by a TxDOT change order that impacted DBE Goal attainment? Yes No Change Order Number _____

This is to certify that _____ % of the work was completed by Disadvantaged Business Enterprises as stated above.

By _____ Per: _____
 Name of General Contractor Contractor's Signature

Subscribed and sworn to before me, this _____ day of _____, A.D. _____

 Notary Public County

My commission expires: _____

W. E-VERIFY CERTIFICATION

E-VERIFY CERTIFICATION

Pursuant to Executive Order RP-80, all state contracts for services must include a provision requiring Contractors to use the U.S. Department of Homeland Security's E-Verify system to determine employment eligibility. By signing the Contract, the Contractor certifies and ensures that for all contracts for services, Contractor will, to the extent permitted by law, utilize the United States Department of Homeland Security's E-Verify system during the term of the agreement to determine the eligibility of:

- ✦ All persons employed by Contractor during the term of the agreement to perform duties within the State of Texas; and
- ✦ All persons, including subcontractors, assigned by Contractor to perform work pursuant to the agreement.

Violation of this requirement shall constitute a material breach of the agreement.

**X. APPRENTICESHIP ORDER AND LIST OF REQUIRED
APPRENTICESHIP PROGRAMS**

**Y. ORDER OF THE COMMISSIONERS COURT OF EL PASO
COUNTY REGARDING APPRENTICESHIP PROGRAM
REQUIREMENTS SUPPORT STATEMENT**

**ORDER OF THE COMMISSIONERS COURT OF EL PASO COUNTY REGARDING
APPRENTICESHIP PROGRAM REQUIREMENTS**

Whereas, the County of El Paso supports the adoption of an apprenticeship program for all county building construction projects in the amount of \$50,000 and higher and desires the inclusion of language mandating participation in apprenticeship programs certified by the U.S. Department of Labor (DOL) in all County building construction contracts; and

Whereas, the purpose of the apprenticeship program is to require that only journeymen and apprentices registered in an apprentice program certified by DOL perform work on county building construction projects in order to ensure both quality construction work as well as provide training opportunities; and

Whereas, a DOL certified apprenticeship program requirement for local building construction projects is consistent with the state prevailing wage rate law pursuant to Chapter 2258, Texas Government Code.

NOW THEREFORE BE IT RESOLVED, that the County of El Paso adopts the El Paso County Apprenticeship Program requiring the following of all building contractors and their subcontractors on County Building Construction Projects:

1. must sponsor or participate in a DOL certified apprenticeship program for all job classifications utilized on the project and which are "apprenticeable occupations" as defined by DOL regulations, except when there is a state statute requiring certification for an occupation which has inconsistent requirements;
2. must hire registered apprentices enrolled in a DOL certified apprenticeship program;
3. may not substitute helpers or unregistered apprentices to perform apprentice level work in place of registered apprentices;
4. must pay wage rates and benefits package for apprentices as determined by apprenticeship program/DOL;
5. must comply with DOL requirements for the ratio of apprentices to journeymen;
6. must hire apprentices in all job classifications utilized on the project and which are "apprenticeable occupations" as defined by DOL regulations, unless such placement would not be approved by the apprenticeship program.

BE IT FURTHER RESOLVED that the County Purchasing Agent is hereby directed to include notice of the County apprenticeship requirements in all specifications for bids on building constructions projects in the amount of \$50,000 or higher.

APPROVED on this the 23rd day of June, 2008.

Ricardo A. Samaniego
EL PASO COUNTY JUDGE

Z. EL PASO COUNTY 2008 REQUIRED APPRENTICESHIP PROGRAMS

**El Paso County
2008 Required Apprenticeship Programs**

1. Acoustical Carpenter
2. Bricklayer and Mason
3. Cabinet Maker
4. Carpenter
5. Cement Mason
6. Drywall Application
7. Electrician
8. Electronic Systems Technician
9. Elevator Constructor & Repairer
10. Floor Layer
11. Glazier
12. HVAC
13. Insulation Worker
14. Locksmith
15. Operating Engineer
16. Painters
17. Pipefitter
18. Plasterer
19. Plumber
20. Protective Signal Installer
21. Roofers
22. Sheet Metal Worker
23. Structural Steel/Ironworker
24. Tile Setter

**AA. GENERAL PROVISIONS AND QUALITY
ASSURANCE PROGRAM**

General Provisions County of El Paso, Texas

These General Provisions are considered standard language for all County of El Paso BIDS and Request for Proposal documents. If any “specific bid requirements” differ from the General Provisions listed here, the “specific bid requirements” shall prevail.

1. **BID/PROPOSAL PACKAGE**

- a. The request for bid/proposal, general and special provisions, drawings, specifications/line item details, contract documents and the bid/proposal sheet are all considered part of the bid/proposal package. Bids/Proposals must be submitted on the forms provided by the County, including the bid/proposal sheet completed in its entirety and signed by an authorized representative by original signature. Failure to complete and sign the bid/proposal sheet/contract page (s) may disqualify the bid/proposal from being considered by Commissioners’ Court. Any individual signing on behalf of the proposer expressly affirms that he or she is duly authorized to tender this bid/proposal and to sign the bid/proposal sheet/contract under the terms and conditions in this bid/proposal. Proposer further understands that the signing of the contract shall be of no effect unless subsequently awarded and the contract properly executed by Commissioners’ Court. All figures must be written in ink or typed. Figures written in pencil or with erasures are not acceptable. However, mistakes may be crossed out, corrections inserted, and initialed in ink by the individual signing the bid/proposal. Changes must also be made to any electronic copies submitted. If there are discrepancies between unit prices quoted and extensions, the unit price will prevail. Each bidder/proposer is required to thoroughly review this entire bid/proposal packet to familiarize themselves with the bid/proposal procedures, the plans and specifications for the requested work as well as the terms, and conditions of the contract the successful proposer will execute with the County.
- b. Bid/Proposal must be in the Purchasing Department BEFORE the hour and date specified. Faxed or e-mailed bids/proposals will not be accepted. Late bids/proposals will not be considered under any circumstances.**
- c. Any bid/proposal sent via express mail or overnight delivery must have the BID/RFP number and title clearly marked on the outside of the envelope or package. Failure to clearly identify your bid/proposal may be cause for disqualification.

2. **COMPETITIVENESS AND INTEGRITY**

To prevent biased evaluations and to preserve the competitiveness and integrity of such acquisition efforts, proposers are to direct all communications regarding this bid/proposal to the El Paso County Purchasing Agent or assigned designee, unless otherwise specifically noted.

An authorized person from the submitting firm must sign all bids/proposals. The signature acknowledges that the proposer has read the bid/proposal documents thoroughly before submitting a bid/proposal and will fulfill the obligations in accordance to the terms, conditions, and specifications.

Please carefully review this Request for Bid/Proposal. It provides specific information necessary to aid participating firms in formulating a thorough response.

3. BIDDERS'S/PROPOSER'S RESPONSIBILITY

The Bidder/Proposer must affirmatively demonstrate its responsibility. The Bidder/Proposer must also meet the following minimum requirements:

- Have been in business of providing services for a minimum of one (1) years;
- Have adequate financial resources or the ability to obtain such resources as required;
- Be able to comply with all federal, state, and local laws, rules, regulations, ordinances and orders regarding this Request for Bid/Proposal;
- Have satisfactory record of performance;
- Have a satisfactory record of integrity and ethics; and
- Be otherwise qualified and eligible to receive an award.

4. REJECTION OF BIDS/PROPOSALS

The County, acting through its Commissioners' Court reserves the right to: (1) reject any and all bids/proposals and waive any informality in the bids/proposals received; (2) disregard the bid/proposal of any proposer determined to be not responsible. The County further reserves the right to reject any bid/proposal due to failure of performance on deliveries as determined in writing by the County Purchasing Agent.

5. RESTRICTIVE OR AMBIGUOUS SPECIFICATIONS

It is the responsibility of the prospective proposer to review the entire invitation to bid/proposal packet and to notify the Purchasing Department if the specifications are formulated in a manner that would restrict competition or appear ambiguous. Any such protest or question(s) regarding the specifications or bid/proposal procedures must be received in the Purchasing Department no less than seventy-two hours prior to the time set for bid/proposal opening. Vendors are to propose as specified herein or propose an approved equal. The mention of any brand name in the specifications is not intended to be restrictive, but is intended to describe the general features and requirements (or equivalent) that the County of El Paso is seeking.

Under Local Gov't Code Section 262.005 and Health & Safety Code Section 361.426, the County is required to give preference to products

made of recycled materials if they meet specs. The County is also required to encourage the use of recycled products in developing new procedures and specs. They are also

required to eliminate procedures and specifications that explicitly discriminate against products made of recycled materials.

6. SUBSTITUTES

It is not the County's intent to discriminate against any material of equal merit to those specified however, should the proposer desire to use any substitutions, prior written approval shall be obtained from the County Purchasing Agent sufficiently in advance in order that an addendum might be issued.

7. EXCEPTIONS TO BID/PROPOSAL

The proposer will list on a separate sheet of paper any exceptions to the conditions of the bid/proposal. This sheet will be labeled, "Exceptions to Bid/Proposal Conditions", and will be attached to the bid/proposal. If no exceptions are stated, it will be understood that all general and specific conditions will be complied with, without exception.

The Bidder/Proposer must specify in its bid/proposal any alternatives it wishes to propose for consideration by the County. Each alternative should be sufficiently described and labeled within the bid/proposal and should indicate its possible or actual advantage to the program being offered.

The County reserved the right to offer these alternatives to other proposers.

8. PRICING

Bid/Proposals for equipment shall offer new (unused) equipment or merchandise unless otherwise specified. Quotes F.O.B. destination. If otherwise, show exact cost to deliver (merchandise only). Bid/Proposal will be either lump sum or unit prices as shown on the bid/proposal sheet. The net price will be delivered to the El Paso County, including all freight or shipping charges. In case of error in extension, unit prices shall govern.

BID/RFP subject to unlimited price increases will not be accepted. The County is tax exempt and no taxes should be included in your bid/proposal.

Unless prices and all information requested are complete, bid/proposal may be disregarded and given no consideration.

In case of default by the contractor, the County may procure the articles or services from other sources and may deduct from any monies due, or that may thereafter become due to the contractor, the difference between

the price named in the contract of purchase order and the actual cost thereof to the County. Prices paid by the County shall be considered the prevailing market price at the time such purchase is made. Periods or performance may be extended if the facts as to the cause of delay justify such extension in the opinion of the Purchasing Agent and the Commissioners' Court.

9. NON-APPROPRIATIONS

Vendor acknowledges that funding to pay for support and services referenced herein is subject to annual appropriations by Customer's governing body, and any termination, liability, indemnity, other provision in the Terms to the contrary does not apply to Customer. In the event such funds are not appropriated in any fiscal year for support and services, Customer may terminate the agreement between the parties upon no less than 30 days prior written notice without incurring any termination liability or penalty. Such termination will not affect Customer's obligation with respect to payment for satisfactory service or support received through the termination date.

10. TAX EXEMPTION

Pursuant to Section 151.309 of the Texas Tax Code, El Paso County qualifies for exemption from sales, excise and use taxes imposed under the Limited Sales, Excise, and Use Tax Act, which is codified at Chapter 151 of the Texas Tax Code. In accordance with Section 151.309, a taxable item sold, leased, or rented to, or stored, used, or consumed by the County is exempt from the taxes imposed under Chapter 151.

11. MODIFICATION OF BIDS/PROPOSALS

A bidder/proposer may modify a bid/proposal by letter at any time prior to the submission deadline for receipt of bids/proposals. Modification requests must be received prior to the submission deadline. Modifications made before opening time must be initialed by bidder/proposer guaranteeing authenticity. Bids/Proposals may not be amended or altered after the official opening with the single exception that any product literature and/or supporting data required by the actual specifications, if any, will be accepted at any time prior to the Commissioners' Court consideration of same. No substitutions or cancellations for merchandise will be permitted without written approval of the County Purchasing Agent.

12. SIGNATURE OF BIDS/PROPOSALS

Each bid/proposal shall give the complete mailing address of the Bidder/Proposer and be signed by an authorized representative by original signature with the authorized representative's name and legal title typed below the signature line. Each bid/proposal shall include the Bidder's/Proposer's Federal Employer Identification Number

(FEIN), failure to sign the Contract page(s) and bid/proposal response sheet will disqualify the bid/proposal from being considered by the County. The person signing on behalf of the Bidder/Proposer expressly affirms that the person is duly authorized to render the bid/proposal and to sign the bid/proposal sheets and contract under the terms and conditions of this BID/RFP and to bind the Bidder/Proposer thereto and further understands that the signing of the contract shall be of no effect until it is properly placed on the Commissioner's Court agenda, approved in open Court, authorized to be executed by the County Judge, and fully executed by both parties.

13. AWARD OF BID/PROPOSALS-EVALUTATION CRITERIA

AND FACTORS Pursuant to the Texas Local Government

Code

Bids shall be awarded to the responsible bidder that submits the lowest and best bid.

Bid/Proposals will be made to the responsible proposer whose bid/proposal is determined to be the best evaluated offer demonstrating the best ability to fulfill the requirements set forth in this Request for Bid/Proposal. The prices proposed will be considered firm and cannot be altered after the submission deadline. **The proposed cost to the County will be considered firm, unless the County invokes its right to request a best and final offer and cannot be altered after the submission deadline.**

The County reserves the right to reject any or all bids/proposals in whole or in part received by reason of this BID/RFP and may discontinue its efforts under this BID/RFP for any reason or no reason or solely for the County's convenience at any time prior to actual execution of the contract by the County. County reserves the right to accept or reject all or any part of the bid/proposal, waive minor technicalities, or to award by item or by total bid/proposal. Price should be itemized.

A Bidder/Proposer whose bid/proposal does not meet the mandatory requirements set forth in this BID/RFP will be considered noncompliant.

Each Bidder/Proposer, by submitting a bid/proposal, agrees that if its bid/proposal is accepted by the Commissioners' Court, such Bidder/Proposer will furnish all items and services upon the terms and conditions in this BID/RFP and contract.

Contractor shall submit to the County, for approval, within ten (10) days from notice of contract award, all Certificates of Insurance evidencing

the required coverage as described under Insurance in the schedule of the Requests for Bids/Proposals.

14. PUBLIC INFORMATION ACT

The parties agree that the County is a governmental body for purposes of the Public Information Act, codified as Chapter 552 of the Texas Government Code and as such is required to release information in accordance with the Public Information Act.

Bidder/Proposer agrees that it has marked any information that it considers to be confidential, proprietary, and/or trade secret in its bid/proposal. County agrees to provide notice to Bidder/Proposer in accordance with the Public Information Act in the event the County receives a request for information under the Public Information Act for information that the Proposer has marked as confidential, proprietary, and/or trade secret.

15. RESULTANT CONTRACT

The resultant contract shall become effective upon the Commissioners' Court execution of the same. The contract documents shall consist of the contract, the general and special provisions, the drawings, bid/proposal package, any addenda issued, and any change orders issued during the work.

The criteria utilized for determining responsibility of bidder/proposer(s) includes, but is not limited to, the proposer's experience, skill, ability, business judgment, financial capacity, integrity, honesty, possession of the necessary facilities or equipment, previous performance, reputation, promptness, and any other factor deemed relevant by the County to determine whether a bidder/proposer is responsible. The term of the resultant contract will begin as stated in the contract executed by the Commissioners' Court and will terminate on the date specified in the contract unless terminated earlier as herein set forth.

16. ESTIMATED QUANTITIES

Any reference to quantities shown in the Request for Bids/Proposals are an estimate only. Since the exact quantities cannot be predetermined, the County reserves the right to adjust quantities as deemed necessary to meet its requirements.

17. CONTRACTOR INVESTIGATION

Before submitting a bid/proposal, each contractor shall make all investigations and examinations necessary to ascertain all site conditions and requirements affecting the full performance of the contract and to verify any representations made by the County upon which the contractor will rely. If the contractor receives an award as a result of its bid/proposal submission, failure to have made such investigations and examinations will in no way relieve the contractor from its obligation to comply in every detail with all provisions and requirements of the contract, nor will a plea of ignorance of such conditions and requirements be accepted as a basis

for any claim whatsoever by the contractor for additional compensation.

18. NO COMMITMENT BY COUNTY

This Request for Bid/Proposal does not commit the County to award any costs or pay any costs, or to award any contract, or to pay any costs associated with or incurred in the preparation of a bid/proposal to this request, or to procure or contract for services or supplies.

19. BEST AND FINAL OFFERS

In acceptance proposals, the County reserves the right to negotiate further with one or more of the contractors as to any features of their proposals and to accept modifications of the work and price when such action will be in the best interest of the County. This includes solicitations of a Best and Final Offer from one or more of the proposers. If invoked, it allows acceptable proposers the opportunity to amend, change or supplement their original proposal. Proposers may be contacted in writing requesting that they submit their best and final offer. Any such best and final offer must include discussed and negotiated changes.

20. SINGLE BID/PROPOSAL RESPONSE

If only one (1) bid/proposal is received in response to the Request for Bids/Proposals, a detailed cost bid/proposal may be requested of the single contractor. A cost/price analysis and evaluation and/or audit may be performed of the cost bid/proposal in order to determine if the price is fair and reasonable.

21. REJECTION/DISQUALIFICATION OF BIDS/PROPOSALS

El Paso County reserves the right to reject any or all bids/proposals in whole or in part received by reason of this bid/proposal package and may discontinue its efforts for any reason under this bid/proposal package at any time prior to actual execution of the Contract by the County. Bidders/Proposers may be disqualified and rejection of bid/proposals may be recommended to the Commissioners' Court for any of (but not limited to) the following causes:

- A. Failure to use the bid/proposal form(s) furnished by the County, if applicable.
- B. Lack of signature by an authorized representative that can legally bind the company on the bid/proposal form.
- C. Failure to properly complete the bid/proposal.
- D. Bids/proposals that do not meet the mandatory requirements.
- E. Evidence of collusion among bidders/proposers.

22. CHANGES IN SPECIFICATIONS

If it becomes necessary to revise any part of this bid/proposal, a written

notice of such revision will be posted on the County Purchasing website. The County is not bound by any oral representations, clarifications, or changes made in the written specifications by the County's employees, unless such clarification or change is posted on the County Purchasing website. It shall be Bidder's/Proposer's responsibility to check the website prior to the bid/proposal opening date to verify whether any addendums have been posted.

23. BID/PROPOSAL IDEAS AND CONCEPTS

The County reserves the right to adopt or use for its benefits, any concept, plan, or idea contained in any bid/proposal.

24. BID/PROPOSAL DISCLOSURES

Results of bids/proposals for the purchase of goods, materials, general services and construction are considered public information at the time of the bid/proposal opening. All information contained in the bid/proposal response is available for public review.

The Proposal for Services: Only the names of those who submitted proposals will be made public information until an award is made by Commissioners' Court and contract executed by the parties. No price, staffing or other proposal information will be released. Proposers are requested to withhold all inquiries regarding their proposal or other submissions until after an award is made. No communication is to be had with any County employee, other than the Purchasing Agent, regarding whether a proposal was received. Violations of this provision may result in the rejection of a proposal.

25. WITHDRAWAL OF BID/PROPOSAL

Bidders/Proposers may request withdrawal of a sealed bid/proposal prior to the scheduled bid/proposal opening time provided the request for withdrawal is submitted to the Purchasing Agent in writing. No bids/proposals may be withdrawn for a period of sixty (60) calendar days after opening of the bids/proposals.

26. INDEMNIFICATION

A. The contractor shall agree to assume all risks and responsibility for, and agrees to indemnify, defend, and save harmless, the County, its elected and appointed officials and department heads, and its agents and employees from and against all claims, demands, suits, actions, recoveries, judgments, and costs and expenses including reasonable attorney's fees for the defense thereof in connection therewith on account of the loss of life property or injury or damage to the person which shall arise from contractor's operations under this contract, its use of County facilities and/or equipment or from any other breach on the part of the contractor, its employees, agents or any person(s) in or about the County's facilities with the

expressed or implied consent of the County. Contractor shall pay any judgment with cost which may be obtained against El Paso County resulting from contractor's operations under this contract. Contractor agrees to indemnify and hold the County harmless from all claims of subcontractors, laborers incurred in the performance of this contract. Contractor shall furnish satisfactory evidence that all obligations of this nature herein above designated have been paid, discharged or waived. If Contractor fails to do so, then the County reserves the right to pay unpaid bills of which County has written notice direct and withhold from Contractor's unpaid compensations a sum of money reasonably sufficient to liquidate any and all such lawful claims.

- B. Pursuant to Texas Local Government Code Section 262.032(b), any successful bidder who is awarded any contract in excess of \$50,000 may be required to execute a performance bond to the County. Said bond shall be in the full amount of the contract and must be furnished within 30 days after the date a purchase order is issued or the contract is signed and prior to commencement of the actual work. A performance bond required pursuant to this section shall be noted in the attached detailed bid specifications or scope of work. This section does not apply to a performance bond required by Chapter 2253, Texas Government Code.

27. **PROOF OF INSURANCE**

Successful proposer agrees to keep in full force and effect, a policy of public liability and property damage insurance issued by a casualty company authorized to do business in the State of Texas, and in standard form approved by the Board of Insurance Commissioners' of the State of Texas, with coverage provision insuring the public from any loss or damage that may arise to any person or property by reason of services limits of not less than the following sums:

INSURANCE REQUIREMENTS FOR CONSTRUCTION AND OTHER SERVICES PROVIDED TO THE COUNTY OF EL PASO

GENERAL LIABILITY:

Refer to Exhibit 6 Insurance Requirements 2(A) for specified limits. Waiver of Subrogation

AUTOMOBILE:

\$1,000,000 – Each Occurrence
County named as "Additional Insured" Waiver of Subrogation

WORKERS COMPENSATION:

\$1,000,000 – Employers Liability – Each Accident
\$1,000,000 – Employers Liability – Each Employee
\$1,000,000 – Employers Liability – Disease – Policy
Limit Statutory Limits
Waiver of Subrogation

CONSTRUCTION PROJECTS additional requirements: Builders Risk Policy for total amount of completed project Bid Bond Performance & Payment Bond

PROFESSIONAL SERVICES additional requirements: Limit of \$1,000,000 for E&O/Professional Insurance.

CERTIFICATE OF LIABILITY INSURANCE

In the remarks section should include job description or project name and/or number. Successful bidder shall carry in full force Workers' Compensation Insurance Policy (ies), if there is more than one employee, for all employees, including but not limited to full time, part time, and emergency employees employed by the successful bidder. Current insurance Certificates certifying that such policies as specified above are in full force and effect shall be furnished by successful bidder to the County. Insurance is to be placed with insurers having a best rating of no less than A. The Bidder shall furnish the County with certificates of insurance and original endorsements affecting coverage required by these insurance clauses within ten (10) business days of execution of this contract. The certificates and endorsements for each insurance policy are to be signed by a person authorized by the insurer to bind coverage on its behalf. The Bidder shall be required to submit annual renewals for the term of this contract prior to expiration of any policy.

In addition to the remedies stated herein, the County has the right to pursue other remedies permitted by law or in equity. The County agrees to provide Bidder with reasonable and timely notice of any claim, demand, or cause of action made or brought against the County arising out of or related to utilization of the property. Proposer shall have the right to defend any such claim, demand or cause of action at its sole cost and expense and within its sole and exclusive discretion. The County agrees not to compromise or settle any claim or cause of action arising out of or related to the utilization of the property without the prior written consent of the Bidder. In no event shall the County be liable for any damage to or destruction of any property belonging to the Bidder.

County of El Paso shall be listed as the additional insured on policy certificates and shall be notified of changes to the policy during the contractual period.

The County reserves the right to review the insurance requirements during the effective period of the contract and to require adjustment of insurance coverage and their limits when deemed necessary and prudent by the County based upon changes in statutory law, court decisions, or the claims history of the industry as well as the contractor.

28. BOYCOTT OF ISRAEL

In accordance with Chapter 2270 of the Texas Government Code, a company, other than a sole proprietorship, with ten or more full time employees is required to certify in writing that it does not boycott Israel and will not boycott Israel during the term of the contract, if the contract has a value of \$100,000 or more.

29. MANDATORY DISCLOSURES:

Texas law requires the following disclosures by vendors:

Conflict of Interest Disclosure Reporting (required of all vendors responding to the Bid/RFP/RFQ)

Chapter 176 of the Texas Local Government Code requires that any vendor or person considering doing business with a local government entity make certain disclosures. In 2015, the Texas Legislature updated the law and the Texas Ethics Commission made corresponding changes to the Conflict of Interest Questionnaire (CIQ Form), in which the vendor must disclose any covered affiliation or business relationship with County personnel that might cause a conflict of interest with a local government entity. A list of County elected officials and employees that will award the bid/proposal and/or make recommendations for award are included in this bid/proposal. By law, a completed questionnaire must be filed with the County of El Paso County, Texas. If no conflict of interest exists, write "N/A" or "None" in Box 3 of the CIQ Form. For vendor's convenience, a blank CIQ Form is enclosed with this bid/proposal. Blank CIQ Forms may also be obtained by visiting the Purchasing Department website at: <http://epcounty.com/purchasing/bids/default.htm>

Disclosure of Interested Parties (only required of vendors who are awarded the Bid/RFP/RFQ)

In 2015, the Texas Legislature added Section 2252.908 to Chapter 2252 of the Texas Government Code. Pursuant to Section 2252.908, for contracts entered into January 1, 2016 and after, the awarded vendor must submit to the County a completed "Certificate of Interested Parties" form, which will be included in the Commissioners Court agenda at the time the contract is approved and sent to the Texas Ethics Commission within 30 days thereafter.

Compliance with this new requirement requires logging into the Texas Ethics Commission website, at:

https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm Several instructional videos are available there.

30. NON-COLLUSION AFFIDAVIT

The contractor declares, by signing and submitting a bid/proposal, that the bid/proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the

bid/proposal is genuine and not collusive or sham; that the contractor has not directly or indirectly induced or solicited another contractor to put in a false or sham bid/proposal, and has not directly or indirectly colluded, conspired, connived, or agreed with any contractor or anyone else to put in a sham bid/proposal, of that anyone shall refrain from bidding; that the contractor has not in any manner, directly or indirectly, sought by agreement, communications, or conference with anyone to fix the bid/proposal price of the contractor of any other bidder/proposer, or to fix any overhead, profit or cost element of the bid/proposal price, or of that of any other contractor, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract, that all statements contained in the bid/proposal are true; and further, that the contractor has not, directly or indirectly, submitted his or her bid/proposal price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any cooperation, partnership, company association, organization, bid/proposal depository, or to any member or agent thereof to effectuate a collusive or sham bid/proposal.

Non negotiations, decisions, or cautions shall be initiated by any company as a result of any result of any verbal discussion with any County employee prior to the opening of responses to this Request for Bid/Proposal.

No officer or employee of the County, and no other public or elected official, or employee, who may exercise any function or responsibilities in the review or approval of this undertaking, shall have any personal or financial interest, direct or indirect, in any contract or negotiation process thereof. The above compliance request will be part of all County contracts for this service.

31. SOVEREIGN IMMUNITY

The County specifically reserves any claim it may have to sovereign, qualified, or official immunity as a defense to any action arising in conjunction with this contract.

32. MERGERS, ACQUISITIONS

The Bidder/Proposer shall be required to notify the County of any potential for merger or acquisition of which there is knowledge at the time that a bid/proposal is submitted.

If subsequent to the award of any contract resulting from this BID/RFP the Bidder/Proposer shall merge or be acquired by another firm, the following documents must be submitted to the County.

1. Corporate resolutions prepared by the awarded Proposer and the new entity ratifying acceptance of the original contract, terms, conditions and prices;
2. New Bidder's/Proposer's Federal Identification Number (FEIN); and
3. New Bidder's/Proposer's proposed operating plans.

Moreover, Bidder/Proposer is required to provide the County with notice of any anticipated merger or acquisition as soon as Bidder/Proposer has actual knowledge of the anticipated merger or acquisition. The new Bidder's/Proposer's

proposed plan of operation must be submitted prior to merger to allow time for submission of such plan to the Commissioners' Court for its approval.

33. DELAYS

The County reserves the right to delay the scheduled commencement date of the contract if it is to the advantage of the County. There shall be no additional costs attributed to these delays should any occur. Bidder/Proposer agrees it will make no claim for damages, for damages for lost revenues, for damages caused by breach of contract with third parties, or any other claim by Bidder/Proposer attributed to these delays, should any occur. In addition, Bidder/Proposer agrees that any contract it enters into with any third party in anticipation of the commencement of the contract will contain a statement that the third party will similarly make no claim for damages based on delay of the scheduled commencement date of the contract.

34. ACCURACY OF DATA

Information and data provided through this BID/RFP are believed to be reasonably accurate.

35. SUBCONTRACTING/ASSIGNMENT

Bidder/Proposer shall not assign, sell, or otherwise transfer its contract in whole or in part without prior written permission of Commissioners' Court. Such consent, if granted, shall not relieve the Bidder/Proposer of any of its responsibilities under this contract.

36. INDEPENDENT CONTRACTOR

Bidder/Proposer expressly acknowledges that it is an independent contractor. Nothing in this agreement is intended nor shall be construed to create an agency relationship, an employer/employee relationship, a joint venture relationship, or any other relationship allowing County to exercise control or direction over the manner or method by which Bidder/Proposer or its subcontractors perform in providing the requirements stated in the Request for Bid/Proposal.

37. MONITORING PERFORMANCE

The County shall have the unfettered right to monitor and audit the Vendor's work in every respect. In this regard, the Vendor shall provide its full cooperation and insure the cooperation of its employees, agents, assigns, and subcontractors. Further, the Vendor shall make available for inspection and/or copying when requested, original data, records, and accounts relating to the Bidder's/Proposer's work and performance under this contract. In the event any such material is not held by the vendor in its original form, a true copy shall be provided.

The County of El Paso is an equal opportunity employer.

38. PROCUREMENT ETHICS

CODE OF ETHICS TRAINING AFFIDAVIT FORM

El Paso County Code of Ethics Training Requirement for Vendors:

Any vendor involved in a single procurement exceeding \$50,000 must read and sign the El Paso County Code of Ethics Training Affidavit that is included in each bid/proposal packet. By reading and signing the Affidavit form, the bidder has confirmed that they have been trained in the El Paso County Code of Ethics. The training must be completed by an officer, principal, or other person with the authority to bind the company.

Optional On-Line Training: As an alternative to reading and completing the El Paso County Code of Ethics Training Affidavit, in compliance with Section 161 of the Texas Local Government Code, the training on the El Paso County Code of Ethics is accessible in an online format to Vendors and Lobbyists on an ongoing basis, subject only to limitations due to technical resources.

The optional On-Line Training may be accessed and completed at:

http://www.epcounty.com/ethicscom/trainingvendor_files/frame.htm

If completed on-line, the training receipt should be printed out and included with the BID/RFP/RFQ/RFI.

CERTIFICATION TO NOT BOYCOTT ENERGY COMPANIES

Pursuant to Texas Government Code §2274.002, the Department must include a provision requiring a written verification affirming that the Contractor does not boycott energy companies, as defined in Government Code §809.001, and will not boycott energy companies during the term of the contract. This provision applies to a contract that:

- 1) is with a Contractor that is not a sole proprietorship,
- 2) is with a Contractor with 10 or more full-time employees, and
- 3) has a value of \$100,000 or more.

By signing the contract, the Contractor certifies that it does not boycott energy companies and will not boycott energy companies during the term of this contract. "Boycott" means taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company: (1) engages in the exploration, production, utilization, transportation, sale, or manufacturing of fossil fuel-based energy and does not commit or pledge to meet environmental standards beyond applicable federal and state law; or (2) does business with a company described by (1).

Violation of this certification may result in action by the Department.

CERTIFICATION TO NOT BOYCOTT ISRAEL

Pursuant to Texas Government Code §2271.002, the Department must include a provision requiring a written verification affirming that the CERTIFICATION TO NOT BOYCOTT ISRAEL

Pursuant to Texas Government Code §2271.002, the Department must include a provision requiring a written verification affirming that the Contractor does not boycott Israel, as defined in Government Code §808.001, and will not boycott Israel during the term of the contract. This provision applies to a contract that:

- 1) is with a Contractor that is not a sole proprietorship,
- 2) is with a Contractor with 10 or more full-time employees, and
- 3) has a value of \$100,000 or more.

By signing the contract, the Contractor certifies that it does not boycott Israel and will not boycott Israel during the term of this contract. "Boycott" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes.

Violation of this certification may result in action by the Department.

CERTIFICATION TO NOT DISCRIMINATE AGAINST FIREARM ENTITIES OR FIREARM TRADE ASSOCIATIONS

Pursuant to Texas Government Code §2274.002, the Department must include a provision requiring a written verification affirming that the Contractor:

- 1) does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association, as defined in Government Code §2274.001, and
- 2) will not discriminate against a firearm entity or firearm trade association during the term of the contract.

This provision applies to a contract that:

- 1) is with a Contractor that is not a sole proprietorship,
- 2) is with a Contractor with 10 or more full-time employees, and
- 3) has a value of \$100,000 or more.

By signing the contract, the Contractor certifies that it does not discriminate against a firearm entity or firearm trade association as described and will not do so during the term of this contract. "Discriminate against a firearm entity or firearm trade association" means, with respect to the entity or association, to: (1) refuse to engage in the trade of any goods or services with the entity or association based solely on its status as a firearm entity or firearm trade association; (2) refrain from continuing an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association; or (3) terminate an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association. "Discriminate against a firearm entity or firearm trade association" does not include: (1) the established policies of a merchant, retail seller, or platform that restrict or prohibit the listing or selling of ammunition, firearms, or firearm accessories; (2) a company's refusal to engage in the trade of any goods or services, decision to refrain from continuing an existing business relationship, or decision to terminate an existing business relationship to comply with federal, state, or local law, policy, or regulations or a directive by a regulatory agency, or for any traditional business reason that is specific to the customer or potential customer and not based solely on an entity's or association's status as a firearm entity or firearm trade association.

Violation of this certification may result in action by the Department.



Quality Assurance Program for Design-Bid-Build Projects

May 2019

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SECTION 1 - INTRODUCTION

1.1 Overview

The Texas Department of Transportation (TxDOT) established the Quality Assurance Program (QAP) for Design-Bid-Build (D-B-B) Projects to ensure that materials and workmanship incorporated into highway construction projects are in reasonable conformity with the requirements of the approved plans and specifications, including any approved changes. This program conforms to the criteria in 23 CFR 637.010. The Materials and Tests Division (MTD) central laboratory will be accredited under the AASHTO Accreditation Program (AAP) which oversees the statewide qualification program.

It consists of an "Acceptance Program" and "Independent Assurance (IA) Program" based on test results obtained by qualified persons and equipment.

The QAP allows for the use of validated Contractor-performed quality control (QC) test results as part of an acceptance decision. It also allows for the use of test results obtained by commercial laboratories in acceptance decisions. The responsibility for the workmanship is the responsibility of the Engineer.

1.2 Support

For more information regarding the information and procedures in the program, contact the Materials and Tests Division (MTD) Administration at 512/506-5843.

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SECTION 2 - ACCEPTANCE PROGRAM

2.1 Overview

The Quality Assurance Program (QAP) assures materials, incorporated into any highway construction project, are subject to verification sampling and testing, as well as quality control (QC) sampling and testing when required by the specifications.

The District Engineer will delegate an individual at the district level for the accountability of certification verification in SiteManager (SM) and at the laboratory for various project delivery options applicable to the DBB program.

The delegation of authority should encompass a mechanism that provides oversight authority and an audit function to ensure compliance. Additional information can be found in [Section 6.7 – Dispute Resolution](#).

2.2 Sampling and Testing Frequency and Location

Verification sampling and testing will be performed at the location and frequency established in the Department's [Guide Schedule of Sampling and Testing for Design-Bid-Build \(DBB\) Projects](#) (DBB Guide Schedule) or specifications specific to each project.

2.3 Documentation

Testing will be documented within SiteManager on the department approved excel templates. When the tester does not enter test results directly into SM, the hardcopy will need to be scanned and attached to the SM sample documenting the tester's name.

2.4 Quality Control Sampling and Testing

Contractor-performed QC sampling and testing may be used as part of an acceptance decision when required or allowed by specification.

QC sampling and testing personnel, laboratories, and equipment will be qualified in accordance with [Section 6 – Technician Qualification Program](#) and [Section 7 – Laboratory Qualification Program](#) and will be evaluated under the Independent Assurance Program, as described in [Section 3](#) of this document.

QC test results will be validated by verification test results obtained from independently taken samples. Qualified TxDOT personnel or their designated agents will perform verification sampling and testing.

2.5 Dispute Resolution

When QC test results are used in the acceptance decision, the MTD central laboratory or an accredited independent laboratory approved by MTD will perform the referee testing. The referee laboratory decision will be final.

SECTION 3 - INDEPENDENT ASSURANCE PROGRAM

3.1 Overview

The Independent Assurance (IA) program evaluates all sampling and testing procedures, personnel, and equipment used as part of an acceptance decision.

The IA program evaluates the qualified sampling and testing personnel and testing equipment and is established using the system approach. The system approach bases frequency of IA activities on time—regardless of the number of tests, quantities of materials, or numbers of projects tested by the individual being evaluated.

3.2 Required Frequencies and Activities

Table 1 gives the frequencies and activities required for evaluating sampling and testing personnel and equipment under the system approach to IA.

Table 1
Frequencies and Activities Required Under IA System Approach

Time	Activity
Before performing acceptance sampling and testing.	Qualification required under Section 6 and Section 7 of this QAP.
Within 12 months after Observation and Qualification, not to exceed 15 months.	Each qualified technician is required to participate in the first available proficiency or split sample for each test method requiring IA. Results must compare to the IA test results to within the established tolerance.
Within 24 months after Observation and Qualification, not to exceed 27 months.	Each qualified technician is required to participate in one proficiency or split sample test for each test method requiring IA. Results must compare to the IA test results to within the established tolerance.
Within 36 months of Qualification. (Only required for certifications issued by TxDOT or TXAPA with a 3-year cycle.)	Qualification is again required under Section 6 and Section 7 of this QAP.
Within 36 months after Observation and Qualification, not to exceed 39 months. (Only required for ACI, which has a 5-year certification cycle.)	Each qualified technician is required to participate in one proficiency or split sample test for each test method requiring IA. Results must compare to the IA test results to within the established tolerance.
Within 48 months after Observation and Qualification, not to exceed 51 months. (Only required for ACI, which has a 5-year certification cycle.)	Each qualified technician is required to participate in one proficiency or split sample test for each test method requiring IA. Results must compare to the IA test results to within the established tolerance.

Within 60 months of qualification (Only required for certifications issued by ACI with a 5-year cycle.)

Qualification is again required under Section 6 and Section 7 of this QAP.

Maintaining technician qualification under the IA system approach requires continuation of the above cycle of qualification and successful split or proficiency sample testing.

3.3 Testing Equipment

MTD will qualify district laboratory testing equipment used for acceptance sampling and testing, in accordance with Section 7 – Laboratory Qualification Program. Any non-TxDOT commercial laboratory used for acceptance sampling and testing must be accredited in accordance with Section 7.3 – Qualification.

MTD may designate the district laboratory to qualify commercial laboratory testing equipment, used for acceptance sampling and testing, in accordance with corresponding calibration test procedures. **MTD** or TxDOT district laboratory may hire a third-party entity to perform calibration or verification in accordance with corresponding calibration test procedures.

The qualifying authority will qualify testing equipment in accordance with the following guidelines.

- A. Frequency for qualifying sampling and testing equipment must not exceed 1 year.
- B. Calibration or verification is required whenever the laboratory or equipment is moved.

The qualifying authority will evaluate any equipment used to perform verification and QC sampling and testing in making an acceptance decision. This evaluation includes calibration checks and split or proficiency sample tests. The Department test procedures referenced in Section 7.4 – Calibration Standards and Frequencies for Laboratory Equipment give the requirements for, and frequency of, equipment calibrations.

3.4 Testing Personnel

MTD will qualify district and commercial laboratory personnel performing IA activities, in accordance with Section 6 – Technician Qualification Program.

MTD may designate a district laboratory to qualify other Department personnel and accredited commercial laboratory personnel performing IA activities. When a district qualifies commercial laboratory personnel, they must notify **MTD** in writing.

Individuals performing IA activities will be other than those performing verification or QC testing.

IA personnel will evaluate any individual performing verification or QC sampling and testing. This evaluation includes observations and split or proficiency sample testing.

3.5 Comparing Test Results

Comparison of the split sample test results can be used if equipment or procedures issues are suspected. [Appendix B](#) gives the acceptable tolerance limits for comparing test results from split and proficiency samples.

If the comparisons of the test results do not comply with the tolerances, an engineering review of the test procedures and equipment will be performed immediately to determine the source of the discrepancy.

3.6 Annual Report of IA Program Results

MTD will compose and submit an annual report to the Federal Highway Administration (FHWA) summarizing the results of TxDOT's systems approach IA program. See [Appendix C](#) for the annual report form.

This report identifies:

- number of sampling and testing personnel evaluated by the systems approach IA testing;
- number of IA evaluations found to meet tolerances in [Appendix B](#);
- number of IA evaluations found to not meet tolerances in [Appendix B](#); and
- summary of any significant system-wide corrective actions taken.

SECTION 4 - MATERIALS CERTIFICATION

4.1 Overview

The TxDOT District Area Engineer or Director of Construction will submit a materials certification letter, conforming in substance to the examples shown in Appendix D or E, as applicable.

For projects with federal oversight, submit the materials certification letter (Appendix D) to the FHWA division administrator, with a copy to **MTD**.

For non-federal oversight projects, submit the material certification letter (Appendix E) to the TxDOT District Engineer, with a copy to **MTD**.

Either letter must be submitted at final acceptance of the project.

SECTION 5 - CONFLICT OF INTEREST

5.1 Overview

To avoid an appearance of a conflict of interest, any qualified non-TxDOT laboratory will perform only one of the following functions on the same project:

- verification sampling and testing;
- QC sampling and testing;
- IA testing; or
- referee testing.

SECTION 6 - TECHNICIAN QUALIFICATION PROGRAM

6.1 Purpose

This program provides uniform statewide procedures for technician qualification to ensure that tests required by the specifications are performed according to the prescribed sampling and testing methods.

6.2 Technician Qualification

Sampling and testing personnel will be qualified to perform sampling and testing for the acceptance of materials in the areas of soils, bituminous, aggregate, and concrete materials.

The test methods for which individuals can be qualified are included in the following series of the [TxDOT Test Procedures](#).

- [100-E Series \(Soils\)](#)
- [200-F Series \(Bituminous\)](#)
- [400-A Series \(Aggregates and Concrete\)](#)
- [500-C Series \(Asphalt – Tex-500-C and Tex-530-C\)](#)

6.3 Who Must Be Qualified?

Any individual who performs sampling and testing on the materials listed in [Section 6.2 – Technician Qualification](#), for acceptance, must be qualified in each test procedure they perform.

NOTE—Reciprocity may be granted to individuals who have been successfully qualified under another state's program. These situations will be considered on a case-by-case basis and must meet the approval of the Materials and **Tests (MTD) Division** Director.

6.4 Who Can Qualify Sampling and Testing Personnel?

The following personnel may qualify an individual to perform the required sampling and testing of materials:

- **MTD** personnel;
- qualified district materials engineer or laboratory supervisor (except as noted below);
- qualified district laboratory personnel who have been authorized by the district materials engineer or laboratory supervisor to qualify others; and
- department-approved entities such as the Texas Asphalt Pavement Association (TXAPA) and the American Concrete Institute (ACI). Certifications received from these institutions may be used to satisfy the written exam and observation part of the Technician Qualification Program.

NOTE—Each district laboratory will maintain a minimum of one individual qualified by MTD or its designated agent, for each test procedure performed within the district. To perform testing and qualify district personnel for TxDOT concrete test methods, at least one individual from the district laboratory must have the corresponding ACI Field and Strength certifications issued by MTD.

6.5 Required Certifications for Commercial Laboratory and Contractor Personnel

Non-TxDOT laboratory personnel performing sampling and testing for TxDOT, or as required by specification, must obtain and keep current the following certifications pertinent to their scope of testing:

- [ACI Concrete Field Testing Technician – Grade I](#),
- [ACI Concrete Strength Testing Technician](#),
- [TXAPA HMA Level 1A – Plant Production Specialist](#),
- [TXAPA HMA Level 1B – Roadway Specialist](#),
- [TXAPA HMA Level 2 – Mix Design Specialist](#),
- [TXAPA SB 101 – Property Specialist](#),
- [TXAPA SB 102 – Field Specialist](#),
- [TXAPA SB 103 – Materials Analysis Specialist](#),
- [TXAPA SB 201 – Strength Specialist](#),
- [TXAPA SB 202 – Compressive Strength Specialist](#), and
- [TXAPA AGG101 -- Aggregate Specialists](#).

For testing procedures not covered by the above certifications, the following personnel may qualify an individual to perform the required sampling and testing of materials:

- district laboratory personnel who have been authorized by MTD to perform technician qualifications, and
- MTD personnel.

6.6 Qualification Procedure

To qualify, an authorized evaluator must witness an individual successfully perform the specific test and the necessary calculations required to determine specification compliance. Successful performance is defined as demonstrating the ability to properly perform the key elements for each test method. If the individual fails to demonstrate the ability to perform a test, the individual will be allowed one retest per test method at the evaluator's

convenience. The maximum number of attempts cannot exceed three trials in a 90-day period of time.

In addition to successful performance of a test method, the individual must pass a written examination (minimum score of 80%) administered by an authorized evaluator. The maximum amount of time allocated per test will be one hour. If an individual cannot complete the written test in an hour, it will result in failure. An individual failing the written examination may request a retest. The retest must be scheduled and administered within 30 days of notification of failure; however, the maximum number of attempts cannot exceed three trials in a 90-day period of time.

Under unique circumstances, the qualification authority may grant a verbal examination upon request. The reasons for requesting a verbal examination must be presented and documented before the individual is allowed to take the examination. Should the technician fail the retest examination, the technician will not be allowed to test again unless a written notification is received from the technician's employer or supervisor stating that the technician has received additional training. MTD or its representative will determine the adequacy of the additional training. Failure to pass the third written examination will be considered as failing the entire qualification.

Successful qualification is defined as passing both the written and performance examinations.

In addition, the individual must participate in split or proficiency samples administered by the qualifying authority to validate the qualification as defined in Appendix B. MTD determines the qualifying authority for the split or proficiency sample.

Unless otherwise stated, qualification of an individual is valid for not more than 3 years, after which the individual must be re-qualified. Under the IA system approach, annual split or proficiency evaluations will be required as specified in Section 3.2 – Required Frequencies and Activities. Failure to satisfactorily complete annual split or proficiency testing will result in certification revocation.

6.7 Provisional Certifications

If the required certifications, listed in the Section 6.5 – Required Certifications for Commercial Laboratories and Contractor Personnel, cannot be readily obtained due to course availability, schedule conflicts, or other extenuating circumstances, provisional certifications administered by MTD or TxDOT's district laboratory will be allowed, per the following stipulations:

- provisional certifications must be approved by MTD or TxDOT district laboratory supervisor;
- provisional certifications will be valid for one month after the TXAPA and ACI examination dates; and
- the candidate must show evidence of having enrolled in the required ACI or TXAPA course.

6.8 Responsibility and Documentation

MTD and the district materials engineer, laboratory supervisor, or designee are responsible for maintaining documentation of all individuals qualified under their authority who perform required tests for acceptance of materials. The CE&I firm shall identify a coordinator with the responsibility to communicate with the Area Office who will then coordinate with the district level person to satisfy the requirements for qualified testers. SiteManager shall be used to send email notification on certification status to the owner (technician) as well as the district level responsible person. TxDOT's SiteManager will be the official system of record for qualified or certified TxDOT and commercial laboratory personnel.

Issuance of qualification certificates by the TxDOT qualifying authority is not required. A qualification summary listing all tests for which an individual is qualified is available in SiteManager and may be printed and signed at the district's discretion. Documentation is to be maintained through the Object Linking and Embedding (OLE) attachment window. This function allows all qualified personnel supporting documentation to be viewed in SM which includes:

- copies of certificates issued by ACI and TXAPA; or
- copies of certificates issued by MTD or TxDOT district laboratory, if issued;
- Quality Assurance Test (QAT) report with clear identification of technician's name, qualifier's name, score, and date taken; and
- original performance examinations for test procedures administered to each technician by the TxDOT qualifying authority, with clear identification of technician's name, qualifier's name, qualification status, and date.

Documentation retention will be for the life of the qualification, as detailed in the State of Texas Records Retention Schedule.

Results of annual proficiency testing administered by MTD or TXAPA will be stored in their respective central repositories through SharePoint. Annual split sample evaluations should be stored in SiteManager.

6.9 Disqualification

Accusations of misconduct by testing technicians are made to the responsible TxDOT district representative and reported to MTD. Table 2 defines the 3 levels of misconduct: neglect, abuse, and breach of trust.

Table 2
Levels of Misconduct

Term	Definition
Neglect	Unintentional deviations from testing procedures or specifications.
Abuse	Careless or deliberate deviation from testing procedures or specifications.
Breach of Trust	Violation of the trust placed in the certified technician including, but not limited to, acts such as: <ul style="list-style-type: none"> • falsification of records; • being aware of improprieties in sampling, testing, or production by others and not reporting them to appropriate supervisors involved in the project; • re-sampling or retesting without awareness and consent of appropriate supervisors involved in the project; and • manipulating compensation or production.

The certification steering committee will investigate accusations of misconduct with the assistance of the responsible district. Depending on the severity of the misconduct, MTD may impose penalties ranging from a written reprimand, a temporary suspension, or a permanent revocation of the certification, contingent upon the findings of the investigation. A technician with a revoked certification will be removed from the project and will not be allowed to be employed on any TxDOT project statewide.

SECTION 7 - LABORATORY QUALIFICATION PROGRAM

7.1 Purpose

This program provides uniform statewide procedures to ensure that laboratory facilities and equipment are qualified for the performance of required sampling and testing methods.

7.2 Laboratory Responsibility

The responsibilities are spread among varying roles and are defined below to achieve a level of quality and to maintain program compliance.

7.2.1 CE&I

The CE&I firm shall:

- determine all test methods and certification requirements for a project and submit to the area office coordinator within ten (10) days after the execution of the contract and before the kick off meeting;
- submit required technician certifications and commercial lab requests submittals to the AO; and
- provide a quality plan to the AO that will demonstrate how quality is to be achieved through acceptance testing, per project. Include how the firm will track and ensure that only certified technicians perform acceptance on equipment that is calibrated and in good working order.

7.2.2 District AO Personnel

The Area Engineer will delegate the District AO coordinator. The AO coordinator shall:

- provide the district lab personnel with monthly status of the CE&I projects;
- provide the district lab contacts for CE&I firms and their commercial labs;
- invite the district lab personnel to the kick off and associated preconstruction meetings;
- will forward all CE&I technician certifications and laboratory submittals or requests to the district lab;
- will review the CE&I project specific testing, certification, and equipment needs; and
- submit the CE&I's quality plan to the district lab.

7.2.3 District lab coordinator

The district lab coordinator shall:

- review and make recommendations to the AO coordinator for approval or rejection of the CE&I quality plan;
- coordinate the inspection of the commercial lab facility and equipment once the quality plan has been approved;
- communicate the status of the inspection with the CE&I firm;
- use SM to auto notify the owner (technician) and the district lab designee before certification expiration; and
- conduct an internal review for continual compliance for all levels of certifications annually.

7.3 Qualification

All laboratories performing sampling and testing for TxDOT require qualification. These include, but are not limited to the following:

- Materials and Tests Division (MTD) central laboratory;
- District laboratories;
- area or project laboratories (including field laboratories at hot mix and concrete plants);
- MTD field laboratories; and
- commercial laboratories.

7.3.1 District Lab Accreditation

MTD is responsible for accrediting the district and MTD field laboratories. Upon completion of the laboratory accreditation process, the district lab is assigned a rating. The rating system identified in Table 3 is based on the associated risks to the department.

Table 3
Rating Legend

Number	Rating Legend
1	Excellent review with minor or no deficiencies noted.
2	Several deficiencies or repetitive observation were noted.
3	A level of negligence was found programmatically violating compliance requirements.

Each laboratory inspection summarizes the accreditation visit where a finding is classified as either a deficiency or an observation, defined as follows:

Deficiency: A finding that indicates policy or practice contrary to the requirements of the applicable test methods or documented quality procedures.

Observation: Observations are intended as comments for improvements relating to specific technical information to offer recommendations for best practice. Specifically, observations are noted for any technically related deficiencies where judgment and experience indicate it is not likely to affect the laboratory's ability to produce valid and accurate test results.

Resolution of Findings

A corrective action report (CAR) and supporting documentation is collectively submitted to MTD to address the findings notated in the report. The CAR will document actions that have been taken to prevent reoccurrence and to show a formal resolution to the findings.

Deficiencies:

Deficiencies require a formal written response describing the corrective actions taken or planned and enough documentation, i.e., records, copies of new or revised procedures, equipment invoices, or photographs to substantiate actions taken. Corrective actions should be permanently implemented to prevent recurrence of the problem.

Observations:

No written response is required for findings identified as observations. The laboratory should; however, take necessary corrective action to address the observation to prevent possible recurrence. Repeat observations may result in deficiencies.

The resolution should be completed in 21 days from the issuance of the report. If the laboratory cannot satisfy the findings in the report, an extension may be requested for additional time to resolve any outstanding or pending findings. Additional time extensions may be granted on a case by case scenario but should not exceed 90 days. When the findings cannot be resolved within the 90-day period, the MTD Division Director (DD) will escalate the outstanding issues at his discretion to the DOC or DE as needed. See Section 7.5 – Non-Compliance.

7.3.2 Commercial Lab and CE&I Qualification Process

At the district level, the district laboratory will be the qualifying authority for area office and commercial laboratories, only in the areas for which the district laboratory is accredited. They are also responsible for participating and conducting a peer review that will include a minimum of two projects conducted by CE&I firms to ensure program compliance. The peer review shall be documented and conducted within 12-24 months after MTD conducts the QAP district accreditation.

When a district qualifies a commercial laboratory, they must notify MTD in writing and submit a copy of the laboratory qualification certificate. A directory of all TxDOT-qualified laboratories is available through the MTD crossroads intranet.

The laboratory qualifying authority will use Form 2682, “Quality System Inspection – Commercial Laboratory,” to document the following:

- identify the scope of testing to be performed;
- verify that test methods used to perform tests are available and current;
- document that the laboratory has the required equipment to perform the tests;
- check the calibration or verification records for each piece of equipment, to include:
 - description of equipment,
 - identification of any traceable standard used,
 - frequency of calibration,
 - date of calibration,
 - date of last calibration,
 - date of next calibration,
 - calibrating technician,
 - procedure used to calibrate or verify equipment, and
 - detailed results of calibration; and
- verify that the laboratory has qualified or certified technicians to perform required testing.

In addition, all equipment may be subject to calibration verification or other inspection by the qualifying authority. Laboratories performing acceptance sampling and testing should use results from TxDOT’s Material Producer List (MPL), and perform materials sampling and testing in accordance with TxDOT’s DBB Guide Schedule. Materials that are not monitored or not pre-approved by TxDOT are subject to sampling and testing as part of the acceptance program, except as noted in the DBB Guide Schedule remarks.

NOTE—Project or field laboratories performing Tex-113-E, Tex-117-E, and Tex-242-F tests must be an approved laboratory from TxDOT’s MPL.

Laboratories are qualified every 3 years, at a minimum, although accreditation may be an ongoing process. Calibration or verification is required whenever laboratory or equipment is moved or per the minimum laboratory standards defined in [Section 7.4 – Calibration Standards and Frequencies for Laboratory Equipment](#).

An annual internal audit should be conducted by designated staff to ensure continual compliance with technician records and equipment intervals. The following are tools and resources available to aid in managing the program for compliance:

- SM Material Users Query that allows filtering to determine expiring certifications, and
- Form 2682.

7.4 Calibration Standards and Frequencies for Laboratory Equipment

The standards for calibration and the frequencies for laboratory equipment calibrations are shown in:

- [Tex-198-E](#), “Minimum Standards for Acceptance of a Laboratory for Soils and Flexible Base Testing,”
- [Tex-237-F](#), “Minimum Standards for Acceptance of a Laboratory for Hot Mix Testing,”
- [Tex-498-A](#), “Minimum Standards for Acceptance of a Laboratory for Concrete and Aggregate Testing,” and
- [Tex-900-K Series](#), procedures for calibrating, verifying, and certifying equipment and devices.

7.5 Non-Compliance

A laboratory that does not meet all the above requirements is subject to disqualification or suspension.

Any equipment in a qualified laboratory failing to meet specified equipment requirements for a specific test method will not be used for that test method. MTD or the TxDOT district laboratory responsible for the certification or audit will immediately notify all applicable Area Offices of non-conformance for those test methods.

7.6 Documentation

The qualifying authority is responsible for verifying that laboratories are qualified to perform sampling and testing. Documentation will be required to be kept by the qualifying authority and the qualified laboratory. Calibration records will be maintained for a minimum of 10 years. Upon satisfactory completion of the laboratory qualification process, the qualifying authority will issue a certificate within 14 days covering the scope of testing in which the laboratory has been qualified, with a copy to MTD.

Laboratory qualification documentation to be maintained by the qualifying authority includes:

- availability and calibration or verification records for each piece of equipment;
- personnel qualified or certified to perform required testing; and

- copy of laboratory qualification certificate issued.

7.7 Dispute Resolution

The next higher qualification authority will resolve disputes concerning calibration and verification of equipment. For disputes that cannot be resolved at the district level, MTD will be the final authority.

Appendix A Acronyms and Definitions

The following terms and definitions are referenced in this document and have the meanings set forth below.

AAP	AASHTO Accreditation Program (AASHTO re:source and CCRL)
AASHTO	American Association of State Highway Transportation Officials
ACI	American Concrete Institute
AO	Area Office
AQMP	Aggregate Quality Monitoring Program
CAR	Corrective Action Report
CCRL	Concrete and Cement Reference Laboratory
CE&I	Construction Engineering and Inspection
CFR	Code of Federal Regulations
MTD	Materials and Tests Division
CMEC	Construction Materials Engineering Council
FHWA	Federal Highway Administration
HMA	Hot-Mix Asphalt
HMAC	Hot-Mix Asphalt Center
IA	Independent Assurance
L-A-B	Laboratory Accreditation Bureau
MPL	Material Producer List
QAP	Quality Assurance Program
QAT	Quality Assurance Test
QC	Quality Control
SM	SiteManager
TXAPA	Texas Asphalt Pavement Association
TxDOT	Texas Department of Transportation

Abuse—Careless or deliberate deviation from testing procedures or specifications.

Acceptance Program—All factors that comprise TxDOT’s program to determine the quality of the product as specified in the contract requirements. These factors include verification sampling, testing, and inspection and may include results of QC sampling and testing.

Accredited Laboratories—Laboratories that are recognized by a formal accrediting body as meeting quality system requirements including demonstrated competence to perform standard test procedures.

Breach of Trust—Violation of the trust placed in the certified technician including, but not limited to, acts such as: falsification of records; being aware of improprieties in sampling, testing, or production by others and not reporting them to appropriate supervisors involved in the project; re-sampling or retesting without awareness and consent of appropriate supervisors involved in the project; and manipulating compensation or production.

Certified Technician—A technician certified by some agency as proficient in performing certain duties.

Independent Assurance (IA) Program—Activities that are an unbiased and independent evaluation of all the sampling and testing procedures, equipment, and personnel qualifications used in the acceptance program.

Material Producer List (MPL)—TxDOT-approved products and materials from various manufacturers and producers are located at:

<http://www.txdot.gov/business/resources/producer-list.html>

Neglect—Unintentional deviations from testing procedures or specifications.

Proficiency Samples—Homogenous samples that are distributed and tested by 2 or more laboratories or personnel. The test results are compared to assure that the laboratories or personnel are obtaining the same results.

Qualified Laboratories—Laboratories that are capable as defined by appropriate programs established by TxDOT. As a minimum, the qualification program must include provisions for checking testing equipment, and the laboratory must keep records of calibration checks.

Qualified Sampling and Testing Personnel—Personnel who are capable as defined by appropriate programs established by TxDOT.

Quality Assurance (QA)—All planned and systematic actions necessary to provide confidence that a product or service will satisfy given requirements for quality.

Quality Control (QC)—All Contractor operational techniques and activities performed or conducted to fulfill the contract requirements.

TxDOT Standard Specifications—the *Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges* adopted by the Texas Department of Transportation, including all revisions thereto applicable on the effective date of the contract documents.

Verification Sampling and Testing—Sampling and testing performed to verify the quality of the product.

Appendix B

Test Methods for Split or Proficiency Evaluation

After observation and qualification, each qualified technician is required to participate annually in one proficiency or split sample test for each test method requiring independent assurance. Split sample test results must compare to the independent assurance test results below. Proficiency sample test results must be within ± 2 standard deviations of the proficiency sample mean.

Laboratory Testing Procedures and Tolerance Limits

Test Procedure	Description	Tolerance
Tex-104-E	Liquid Limit of Soils	15% of mean ¹
Tex-105-E	Plastic Limit of Soils	15% of mean ¹
Tex-106-E	Plasticity Index of Soils	20% of mean ¹
Tex-107-E	Bar Linear Shrinkage of Soils	$\pm 2\%$
Tex-110-E	Particle Size Analysis of Soils, Part I	> No. 4 sieve: $\pm 5\%$ points
		\leq No. 4 sieve: $\pm 3\%$ points
Tex-113-E	Moisture-Density Relationship of Base Materials	Density ± 2.0 PCF
		Moisture Content $\pm 0.5\%$
Tex-117-E	Triaxial Compression for Disturbed Soils and Base Materials, Part II	Strength ± 15 psi
		Moisture Content $\pm 0.5\%$
Tex-200-F	Asphaltic Concrete Combined Aggregate	>5/8" sieve: $\pm 5.0\%$ points (individual % retained)
		$\leq 5/8$ " sieve-No. 200: $\pm 3.0\%$ (individual % retained)
		Passing No. 200: $\pm 1.6\%$ points
Tex-206-F	Compacting Test Specimens of Bituminous Mixtures	$\pm 1.0\%$ laboratory-molded density in accordance with Tex-207-F
Tex-207-F	Determining Density of Compacted Bituminous Mixtures	Laboratory-Molded Density: $\pm 1.0\%$
		Laboratory-Molded Bulk Specific Gravity: ± 0.020
		In-place air voids (cores): $\pm 1.0\%$
Tex-227-F	Theoretical Maximum Specific Gravity of Bituminous Mixtures	± 0.020
Tex-236-F	Asphalt Content of Asphalt Paving Mixtures by the Ignition Method	$\pm 0.3\%$

Test Procedure	Description	Tolerance
Tex-241-F	Compacting Bituminous Specimens Using the Superpave Gyratory Compactor (SGC)	± 1.0% laboratory-molded density in accordance with Tex-207-F
Tex-418-A	Compressive Strength of Cylindrical Concrete Specimens	17% of mean ¹ (4 × 8" specimen)
		14% of mean ¹ (6 × 12" specimen)

- The difference between compared test results must not exceed the indicated percentage of the mean of the compared test results, where the mean is the average of the two test results.

EXAMPLE: Plasticity Index

Tolerance = 20% of the mean

Technician test value	18
IA technician test value	22
Mean	20
20% difference	4

Both values are within 20% of the mean.

Appendix C IA Annual Report

{Date}

Thomas L. Smith
Independent Assurance Program Manager
Materials and Tests Division (MTD)
Texas Department of Transportation
125 East 11th Street
Austin, TX 78701

RE: Annual Report of Independent Assurance (IA) Program Results – {Project Name}

Dear Mr. Smith:

In accordance with the requirements set forth in the TxDOT Quality Assurance Program for Design-Bid-Build Projects, the information below summarizes the results of system approach independent assurance (IA) testing conducted by our firm on the {Project Name} project for calendar year {XXXX}.

Independent Assurance Program Results – {Year}	
IA Activities	{Project Name}
1. Number of personnel evaluated under system approach.	
2. Number of IA evaluations meeting tolerance.	
3. Number of IA evaluations not meeting tolerance.	
4. <u>Corrective actions:</u>	

cc: Jere A. Williams, P.E.
Materials and Tests, Division Director
TxDOT – MTD

Appendix D

Materials Certification Example Letter for Projects with Federal Oversight

{Date}

Al Alonzi
FHWA Texas Division Administration
FHWA Texas Division Office
300 East 8th Street
Austin, TX 78701

RE: Materials Certification Letter

Project: SH Contract No.:
CSJ:
HWY:
County:
Federal-Aid Project No.:

Dear Mr. Alonzi:

This letter is to certify:

The results of the tests used in the acceptance program indicate that the materials incorporated in the construction work, and in the construction operations controlled by sampling and testing, were in conformity with the approved plans and specifications.

Both the Acceptance and Verification results were evaluated by an independent assurance sampling and testing program, the results of which were submitted to FHWA by the department in the Annual Report of Independent Assurance Program Results and independent of this materials certification.

- Exceptions to the plans and specifications are explained on the back hereof (or on attached sheet).
- There are no exceptions to the plans and specifications on this project.

Sincerely,
{TxDOT District Area Engineer or Director of Construction}, P.E.
{Title}

cc: **Jere A. Williams, P.E.**
Materials and Tests, Division Director
TxDOT – MTD

Appendix E

Materials Certification Example Letter for Projects with Non-Federal Oversight

{Date}

{TxDOT District Engineer}
{Title}

RE: Materials Certification Letter

Project: SH Contract No.:
CSJ:
HWY:
County:

Dear Mr. {District Engineer}:

This letter is to certify:

The results of the tests used in the acceptance program indicate that the materials incorporated in the construction work, and in the construction operations controlled by sampling and testing, were in conformity with the approved plans and specifications.

Both the Acceptance and Verification results were evaluated by an independent assurance sampling and testing program, the results of which were submitted to MTD in the Annual Report of Independent Assurance Program Results and independent of this materials certification.

- Exceptions to the plans and specifications are explained on the back hereof (or on attached sheet).
- There are no exceptions to the plans and specifications on this project.

Sincerely,
{TxDOT District Area Engineer or Director of Construction}, P.E.
{Title}

cc: **Jere A. Williams, P.E.**
Materials and Tests, Division Director
TxDOT – MTD

Appendix F Archived Versions

The following archived versions of this document are available.

- Effective January 2016–April 2018:
ftp://ftp.dot.state.tx.us/pub/txdot-info/cst/qap_dbb_0116.pdf

**BB. CERTIFICATION REGARDING LOBBYING, DEBARMENT
SUSPENSION AND OTHER RESPONSIBILITY MATTERS; DRUG-FREE
WORKPLACE REQUIREMENTS; FEDERAL DEBT STATUS, AND
NONDISCRIMINATION STATUS AND IMPLEMENTING REGULATIONS**

COUNTY OF EL PASO, TEXAS

CERTIFICATIONS REGARDING LOBBYING, DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS; DRUG-FREE WORKPLACE REQUIREMENTS; FEDERAL DEBT STATUS, AND NONDISCRIMINATION STATUS AND IMPLEMENTING REGULATIONS*

Instructions for the certifications:

General Requirements

The County of El Paso, Texas is required to obtain from all applicants of federal funds or pass-through certifications regarding federal debt status, debarment and suspension, and a drug free workplace. Institutional applicants are required to certify that they will comply with the nondiscrimination statutes and implementing regulations.

Applicants should refer to the regulations cited below to determine the certifications to which they are required to attest. Signature of the form provides for compliance with certification requirements under 21 CFR part 1405, "New Restrictions on Lobbying," 21 CFR part 1414, Government wide Debarment and Suspension (Non procurement), Certification Regarding Federal Debt Status (OMB Circular A-129), and Certification Regarding the Nondiscrimination Statutes and Implementing Regulations. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the County of El Paso determines to award the covered cooperative agreement

1. LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented in 21 CFR part 1405, for persons entering into a cooperative agreement over \$100,000, as defined at 21 CFR Part 1405, the applicant certifies that;

- (a) No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement,
- (b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal Grant or cooperative agreement, the undersigned shall complete and submit Standard Form -LLL, "Disclosure of Lobbying Activities," in accordance with its instructions;
- (d) The undersigned shall require that the language of this certification be included in the award document for all sub-awards at all tiers (including sub-grants, contracts under grants and cooperative agreements, and subcontracts) and that all sub-recipients shall certify and disclose accordingly.

2. DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS

As required by Executive Order 12549, Debarment and Suspension and implemented at 21 CFR Part 1404, for prospective participants in primary covered transactions

A. The applicant certifies that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency;

(b) Have not within a three-year period preceding this application been convicted of or and a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State, or local) transaction or contract under a public transaction violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) terminated for cause or default; and

B. Where the applicant is unable to certify to any of the statements in this certification, he or she shall attach an explanation to the application.

3. DRUG-FREE WORKPLACE

As required by the Drug Free Workplace Act of 1988, and implemented at 21 CFR Part 1404 Subpart F.

A. The applicant certifies that it will or will continue to provide a drug free workplace by:

(a). Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the applicant's workplace and specifying the actions that will be taken against employees for violations of such prohibition;

(b) Establishing an on-going drug free awareness program to inform employees about:

(1) The dangers of drug abuse in the workplace;

(2) The applicant's policy of maintaining a drug free workplace;

(3) Any available drug counseling, rehabilitation, and employee assistance programs; and

(4) The penalties that may be imposed upon employees for drug abuse violation occurring in the workplace;

(c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a)

(d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee must

(1) Abide by the terms of the statement; and

(2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction.

(e) Notifying the agency, in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such convictions. Employers of convicted employees must provide notice including position title, to: The County of El Paso, Texas, 500 East San Antonio Street, Suite 406, El Paso, Texas 79901. Notice shall include the identification number of each affected grant

(f) Taking one of the following actions within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted:

(1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or

(2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal State, or local health, law enforcement, or other appropriate agency

(g) Making a good faith effort to continue to maintain a drug free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

4. CERTIFICATION REGARDING FEDERAL DEBT STATUS (OMB Circular A-129)

The Applicant certifies to the best of its knowledge and belief, that it is not delinquent in the repayment of any federal debt.

5. CERTIFICATION REGARDING THE NONDISCRIMINATION STATUTES AND IMPLEMENTING REGULATIONS

The applicant certifies that it will comply with the following nondiscrimination statutes and their implementing regulations: (a) title VI of the Civil right Act of 1964 (42 U.S.C. 2000D et seq.) which provides that no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of or be otherwise subjected to discrimination under any program or activity for which the applicant received federal financial assistance; (b) Section 504 of the rehabilitation Act of 1973, as amended (29 U.S.C. 794), which prohibits discrimination on the basis of handicap in programs and activities receiving federal financial assistance; (c) title IX of the Education Amendments of

1972m as amended (20 U.S.C. 1981 et seq.) which prohibits discrimination on the basis of sex in education programs and activities receiving federal financial assistance; and (d) the Age Discrimination Act of 1975, and amended (42 U.S.C. 6101 et seq.) which prohibits discrimination on the basis of age in programs and activities receiving federal financial assistance, except that actions which reasonably take age into account as a factor necessary for the normal operation or achievement of any statutory objective of the project or activity shall not violate this statute.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above certifications.

Business Name

Date

Name of Authorized Representative

Signature of Authorized Representative

*All four (4) pages of this document must be included in all responses.

CC. HEALTH INSURANCE BENEFITS QUESTIONNAIRE

HEALTH INSURANCE BENEFITS QUESTIONNAIRE

Texas Local Government Code Section 262.0271 states the County may give preference to bidders that provide reasonable health insurance coverage to its employees, over a bidder that doesn't provide such insurance. Complete the questionnaire below if applicable. If not, check box #3.

1. Do you or your subcontractor(s) currently offer health insurance benefits to your employees?

If so, please describe those health insurance benefits that you or your subcontractor(s) currently provide/offer to your employees.

2. What percentage, if any, of your of your subcontractor's employees are currently enrolled in the health insurance benefits program?

3.

No. The bidder is not requesting the Health Insurance Benefits Preference.

Checking Box #3 will not disqualify you from participating in this bid selection process.

Business Name

Date

Name of Authorized Representative

Signature of Authorized Representative

DD. CONFLICT OF INTEREST QUESTIONNAIRE



COUNTY OF EL PASO
County Purchasing Department
800 East Overland, RM 300
El Paso TX 79901
(915) 546-8180 Fax

RE: Tornillo North and South Sidewalks/SUP

Dear Vendor:

The Texas Local Government Code Chapter 176 requires all vendors and potential vendors who contract or seek to contract for the sale or purchase of property, goods, or services with any local government entity to complete and submit a Conflicts of Interest Questionnaire.

Attached is a copy of the questionnaire.

In filing out the Questionnaire, the following are the County Officers that will award the bid and the employees which will make a recommendation to the Commissioners' Court:

County Officers: County Judge Ricardo A. Samaniego
Commissioner Carlos Leon
Commissioner David Stout
Commissioner Iliana Hogue
Commissioner Carl L. Robinson

County Employees: Jose Lopez, Jr., Interim Purchasing Agent
Betsy Keller, County Administrator
Elvia Jauregui, Purchasing Manager
Araceli Hernandez, Formal Bid Buyer
Claudia Parra, Procurement Data Analyst
Blanca Guereca, Procurement Data Analyst
Edward Dion, County Auditor
Barbara Franco, Auditor First Assistant
Wallace Hardgrove, Budget & Financial Manager
Christina Ford, Division Chief
Eddie Sosa, First Assistant County Attorney
Diana Shearer, Assistant Trial Attorney
Erich Morales Assistant Trial Attorney
Lorena Rodriguez, Analyst
Sal Alonzo, Transportation Engineer
Daniel Marquez, Assistant Transportation Engineer

County Employees continued:

Gilbert Saldana, Senior Engineer
Reyna Mayorga, Transit Planner
Jorge L. Reyes, Assistant Planner
Cristian A. Martinez, Transit Coordinator

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

FORM CIQ

<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).</p> <p>By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.</p> <p>A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.</p>	<p>OFFICE USE ONLY</p> <hr/> <p>Date Received</p>
<p>1 Name of vendor who has a business relationship with local governmental entity.</p>	
<p>2 <input type="checkbox"/> Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)</p>	
<p>3 Name of local government officer about whom the information is being disclosed.</p> <p style="text-align: center;">_____</p> <p style="text-align: center;">Name of Officer</p>	
<p>4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.</p> <p style="margin-left: 40px;">A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?</p> <p style="margin-left: 80px;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="margin-left: 40px;">B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?</p> <p style="margin-left: 80px;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p>5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.</p>	
<p>6 <input type="checkbox"/> Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).</p>	
<p>7</p> <p style="text-align: center;">_____</p> <p style="text-align: center;">Signature of vendor doing business with the governmental entity</p> <p style="text-align: right; margin-right: 100px;">_____</p> <p style="text-align: right; margin-right: 100px;">Date</p>	

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

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

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

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

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

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

(2) the vendor:

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

(i) a contract between the local governmental entity and vendor has been executed;

or

(ii) the local governmental entity is considering entering into a contract with the vendor;

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

(i) a contract between the local governmental entity and vendor has been executed; or

(ii) the local governmental entity is considering entering into a contract with the vendor.

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

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

(1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

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

(3) has a family relationship with a local government officer of that local governmental entity.

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

(1) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmental entity; or

(B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(2) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or

(C) of a family relationship with a local government officer.

Effective January 1, 2016, Texas Legislature adopted [House Bill 1295](#), which states that a governmental agency may not enter into certain contracts with a business entity, unless the business entity submits a disclosure of interested parties to the governmental entity. **This Certificate of Interested Parties - Form 1295 must be submitted before the county can enter into the contract**

- The Form 1295 must be submitted online at https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm.
- Upon completion, you will be provided a verification printout.
- The printout must be notarized and then submitted to the County of El Paso for verification.

Upon the County's receipt of your notarized Form 1295, the contracting process can begin. Failure to complete and submit the Form 1295 will delay the contract from possibly being awarded and could result in loss of the contract.

EE. CERTIFICATION OF INTEREST

CERTIFICATION OF INTEREST IN OTHER BID PROPOSAL FOR THIS WORK

By signing this proposal the bidding firm and the signer certify that the following information, as indicated by checking "Yes" or "No" below, is true, accurate, and complete.

- A. Quotation(s) have been issued in this firm's name to other firm(s) interested in this work for consideration for performing a portion of the work.

_____ YES

_____ NO

- B. If this proposal is the low bid, the bidder agrees to provide the following information prior to award of the contract.

1. Identify firms which bid as a prime contractor and from which the bidder received quotations for work on this project.
2. Identify all the firms which bid as a prime contractor to which the bidder gave quotations for work on this project.

r

FF. CERTIFICATION OF INTERESTED PARTIES (FORM 1295)

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties. Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.	OFFICE USE ONLY
1 Name of business entity filing form, and the city, state and country of the business entity's place of business.	
2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.	

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the goods or services to be provided under the contract.

4 Name of Interested Party	City, State, Country (place of business)	Nature of Interest (check applicable)	
		Controlling	Intermediary

5 Check only if there is NO Interested Party.

6 AFFIDAVIT I swear, or affirm, under penalty of perjury, that the above disclosure is true and correct.

Signature of authorized agent of contracting business entity

AFFIX NOTARY STAMP / SEAL ABOVE

Sworn to and subscribed before me, by the said _____, this the _____ day of _____, 20 _____, to certify which, witness my hand and seal of office.

Signature of officer administering oath Printed name of officer administering oath Title of officer administering oath

ADD ADDITIONAL PAGES AS NECESSARY

GG. INSURANCE REQUIREMENTS

INSURANCE REQUIREMENTS

Contractor agrees that, at its own cost and expense, it shall procure and continue in force throughout the term of this Agreement, for the benefit of the County of El Paso, its officers, agents, and employees, the following listed insurance in the designated amounts. All such policies of insurance shall be written by insurance underwriters authorized to do business in the State of Texas. All policies shall name the County of El Paso, its officers, agents, and employees as additional insureds. Contractor shall furnish to the El Paso County Risk Manager a certificate from the insurance carrier showing such insurance to be in full force and effect during the term of this Agreement. Said certification shall contain a provision that written notice of cancellation or of any material change in said policy by the insurer shall be delivered to the El Paso County Risk Manager thirty (30) days in advance of the effective date thereof.

1. Worker's compensation Including Occupational Disease, and Employer's Liability Insurance: Procure, and maintain during the life of the contract, Statutory Worker's Compensation Insurance and Occupation Disease Disability Insurance in strict accordance with requirements of the most current and applicable State Workmen's Compensation Insurance Laws for all employees engaged in Work under the contract, and in case any Work is sublet, require each subcontractor to provide Worker's Compensation and Occupational Disease Disability Insurance for the latter's employees engaged in such Work. In case any class of employees engaged in hazardous Work under his Contract is not protected under the Worker's Compensation Statute, the Contractor shall provide and shall cause each subcontractor to provide adequate Employer's Liability Insurance for the protection of his employees not otherwise protected.

2. Commercial and comprehensive General Liability, including Products Liability and Completed Operations: (Note "Indemnity" clause hereinafter.) Procure, and maintain during the life of the Contract, full comprehensive General Liability and Property Damage Insurance coverage. This coverage shall provide protection from claims for damages for personal injury and bodily injury including in part sickness, disease, and from claims for damages to property (including "Broad Form"), which may arise directly or indirectly out of, or in connection with, the performance of the Work under the Contract by the Contractor or by any of his subcontractors or by anyone directly or indirectly employed by either of them or under the control of either of them, and the minimum amount of such insurance shall be as follows:

(A) BODILY DAMAGE AND PUBLIC LIABILITY INSURANCE IS AN AMOUNT NOT LESS THAN FIVE MILLION DOLLARS (\$5,000,000.00) FOR DAMAGES ARISING OUT PERSONAL INJURY AND BODILY INJURY INCLUDING IN PART: SICKNESS, DISEASE OR DEATH OF ONE PERSON AND SUBJECT TO THE SAME LIMIT FOR EACH PERSON AND IN AN AMOUNT NOT LESS THAN FIVE MILLION DOLLARS (\$5,000,000.00) IN ANY ONE OCCURRENCE; AND PROPERTY DAMAGE INSURANCE (BROAD FORM) IN AN AMOUNT NOT LESS THAN FIVE MILLION DOLLARS (\$5,000,000.00) FOR DAMAGES ARISING OUT OF INJURY TO OR DESTRUCTION OF PROPERTY OF OTHERS IN ANY ONE OCCURRENCE WITH AN AGGREGATE LIMIT IN THE SAME AMOUNT. SUCH POLICY SHALL INCLUDED COMPLETED OPERATIONS COVERAGE AND SHALL BE MAINTAINED FOR A PERIOD OF AT LEAST

THREE (3) YEARS AFTER SUBSTANTIAL COMPLETION OCCURS.

(b) The Property Damage portion of this coverage shall include such hazardous operations as explosion, collapse and underground exposure coverage. In addition, completed Operations Insurance coverage shall be maintained after completion and acceptance of the project for the full guarantee and maintenance period.

(C) AUTOMOBILE LIABILITY AND PROPERTY DAMAGE INSURANCE: PROCURE, AND MAINTAIN DURING THE LIFE OF THE CONTRACT, COMPREHENSIVE AUTOMOBILE LIABILITY AND PROPERTY DAMAGE INSURANCE COVERAGE ON ALL VEHICLES USED IN CONNECTION WITH THE CONTRACT, WHETHER OWNED, NON-OWNED, OR HIRED. THE LIABILITY LIMITS SHALL BE NOT LESS THAN **ONE MILLION DOLLARS (\$1,000,000.00)** FOR INJURY OR DEATH OF EACH PERSON AND IN AN AMOUNT NOT LESS THAN **ONE MILLION DOLLARS (\$1,00,000.00)** IN ANY ONE OCCURRENCE; AND PROPERTY DAMAGE LIMITS OF NOT LESS THAN **ONE MILLION DOLLARS (\$1,000,000.00)** IN ANY ONE OCCURRENCE.

(d) Owner's Protective Liability Policy: Provide the Owner with an Owner's Protective Liability Policy naming the Owner as the named insured, with the Engineer, and each of their officers, agents, and employees as additionally insured under that policy, said policy to protect said parties from claims which may arise from operations under the Contract. This coverage shall be the same company which provides the Contractor's liability insurance coverage, and in the same minimum amounts.

(e) Contractual Liability Coverage: Each and ever policy for liability insurance carried by each Contractor and Subcontractor will include a "Broad Form Contractual Liability Coverage" endorsement sufficiently broad to insure the provision titled "indemnity" hereinafter set forth.

(f) INDEMNITY: TO THE EXTENT PERMISSIBLE BY LAW, THE CONTRACTOR SHALL PROTECT, DEFEND, INDEMNIFY AND SAVE HARMLESS THE OWNER, ITS OFFICERS, AGENTS, AND EMPLOYEES FROM AND AGAINST SUITS, ACTIONS, CLAIMS, LOSSES, LIABILITY OR DAMAGE OF ANY CHARACTER AND FROM AND AGAINST COSTS AND EXPENSES, INCLUDING IN PART, ATTORNEY FEES, INCIDENTAL TO THE DEFENSE OF SUCH SUITS, ACTIONS, CLAIMS LOSSES, DAMAGES OR LIABILITY ON ACCOUNT OF INJURY, DISEASE, SICKNESS, INCLUDING DEATH, TO ANY PERSON, OR DAMAGE TO PROPERTY, INCLUDING IN PART THE LOSS OF USE RESULTING THEREFROM, BASED UPON OR ALLEGEDLY BASED UPON ANY ACT, OMISSION OR OCCURRENCE OF THE CONTRACTOR OR HIS EMPLOYEES, AGENTS, SUBCONTRACTORS, OR SUPPLIERS, OR ANYONE ELSE UNDER THE CONTRACTOR'S DIRECTION AND CONTROL, (REGARDLESS IF CAUSED IN PART BY A PARTY INDEMNIFIED HEREUNDER), AND ARISING OUT OF, OCCURRING IN CONNECTION WITH, RESULTING FROM, OR CAUSED BY THE PERFORMANCE OR FAILURE OF PERFORMANCE OF ANY WORK OR SERVICES CALLED FOR BY THE

CONTRACT, OR FORM CONDITIONS CREATED BY THE PERFORMANCE OR NO-PERFORMANCE OF SAID WORK OR SERVICES.

(g) Builder's Risk "All-Risk" Insurance: In addition to such Fire and Extended Insurance coverage which the Contractor elects to carry for his own protection, he shall procure and shall maintain for the life of the Contract, Builder's Risk "All-Risk" Completed Value insurance coverage, including, but not limited to, Fire and standard Extended Insurance coverage, Vandalism and Malicious Mischief, upon the full insurable value of all portions of the Work which is the subject of the Contract and subject to a loss for which such Builder's Risk "All- Risk" insurance coverage gives protection and shall include completed Work and Work in progress. Value of this policy shall be fixed to the total bid price on the Bid Form. This coverage shall be with an insurance company or companies acceptable to the Owner.

(h) Boiler and/or Machinery Insurance: Boiler and/or Machinery Insurance, where appropriate and necessary, shall be procured and maintained by the Contractor until the Work has been completed and accepted by the Owner.

HH. BIDDER'S CHECK RETURN

BIDDER'S CHECK RETURN

IMPORTANT

The space provided for the return address must be completed to facilitate the return of your bidder's check. Care must be taken to provide a legible, accurate, and complete return address, including zip code. A copy of this sheet should be used for each different return address.

NOTE

Successful bidders will receive their guaranty checks with the executed contract.

RETURN BIDDERS CHECK TO (PLEASE PRINT):

Control 0924-06-616, ETC.

Project STP 2021(473)TP

Highway CS (Various)

County El Paso

IMPORTANT

PLEASE RETURN THIS SHEET IN ITS ENTIRETY

Please acknowledge receipt of this check(s) at your earliest convenience by signing below in longhand, in ink, and returning this acknowledgement in the enclosed self-addressed envelope.

Check Received By: _____ Date: _____

Title: _____

For (Contractor's Name): _____

Project _____ County _____

II. GOVERNING SPECIFICATION AND SPECIAL PROVISIONS

Project Number: STP2021(473)TP

County: El Paso

Control: 0924-06-616, ETC

Highway: Various

TEXAS DEPARTMENT OF TRANSPORTATION
GOVERNING SPECIFICATIONS AND SPECIAL PROVISIONS

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS

ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION NOVEMBER 1, 2014. STANDARD SPECIFICATIONS ARE INCORPORATED INTO THE CONTRACT BY REFERENCE.

ITEMS 1L TO 9L INCLUDING, GENERAL REQUIREMENTS AND COVENANTS

- ITEM 100 PREPARING RIGHT OF WAY (103)
- ITEM 104 REMOVING CONCRETE
- ITEM 110 EXCAVATION (132)
- ITEM 247 FLEXIBLE BASE (105) (204) (210) (216) (520)
- ITEM 251 REWORKING BASE COURSES (204) (210) (216) (247) (520)
- ITEM 310 PRIME COAT (300) (316)
- ITEM 340 DENSE-GRADED HOT-MIX ASPHALT (SMALL QUANTITY) (300) (301) (320) (520) (585)
- ITEM 400 EXCAVATION AND BACKFILL FOR STRUCTURES (110) (132) (401) (402) (403) (416) (420) (421) (423)
- ITEM 416 DRILLED SHAFT FOUNDATIONS (405) (420) (421) (423) (440) (448)
- ITEM 479 ADJUST MANHOLES AND INLETS (400) (421) (465) (471)
- ITEM 495 RAISING EXISTING STRUCTURES (420) (421) (434) (442) (448)
- ITEM 496 REMOVING STRUCTURES (NONE)
- ITEM 500 MOBILIZATION (NONE)
- ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING
- ITEM 506 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS (161) (432) (556)
- ITEM 529 CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER (360) (420) (421) (440)
- ITEM 530 INTERSECTIONS, DRIVEWAYS, AND TURNOUTS (247) (260) (263) (275) (276) (292) (316) (330) (334) (340) (360) (421) (440)
- ITEM 531 SIDEWALKS (104) (360) (420) (421) (440) (530)
- ITEM 550 CHAIN LINK FENCE (421) (445)
- ITEM 644 SMALL ROADSIDE SIGN ASSEMBLIES (421) (440) (441) (442) (445) (636) (643) (656)
- ITEM 666 RETROREFLECTORIZED PAVEMENT MARKINGS (316) (502) (662) (677) (678)
- ITEM 677 ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS (300) (302) (316)
- ITEM 678 PAVEMENT SURFACE PREPARATION FOR MARKINGS (677)

SPECIAL SPECIFICATIONS

- ITEM 9606 LAW ENFORCEMENT PERSONNEL

Project Number: STP2021(473)TP

County: El Paso

Control: 0924-06-616, ETC

Highway: Various

SPECIAL PROVISIONS

SPECIAL PROVISIONS WILL GOVERN AND TAKE PRECEDENCE OVER THE SPECIFICATIONS ENUMERATED HERON WHEREVER IN CONFLICT THEREWITH.

REQUIRED CONTRACT PROVISIONS, FEDERAL-AID CONSTRUCTION CONTRACTS (FORM FHWA 1273, MAY 2012)

WAGE RATES

- SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (SP 000-001L)
- SPECIAL PROVISION "NONDISCRIMINATION" (SP 000-002L)
- SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT" (SP 000-003L)
- SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY" (SP 000-004L)
- SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT" (SP 000-005L)
- SPECIAL PROVISION "LEGAL RELATION AND RESPONSIBILITIES" (SP 007-001L)
- SPECIAL PROVISION "TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS" (SP 0506-001L)
- SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL-AID CONTRACTS" (SP 000-394L)
- SPECIAL PROVISION "INSTRUCTION TO BIDDERS" (SP 002-011L)
- SPECIAL PROVISION TO ITEM 247 (247-003)
- SPECIAL PROVISION TO ITEM 300 (300-017)
- SPECIAL PROVISION TO ITEM 302 (302-003)
- SPECIAL PROVISION TO ITEM 316 (316-002)
- SPECIAL PROVISION TO ITEM 340 (340-003)
- SPECIAL PROVISION TO ITEM 421 (421-009)
- SPECIAL PROVISION TO ITEM 440 (440-004)
- SPECIAL PROVISION TO ITEM 441 (441-003)
- SPECIAL PROVISION TO ITEM 442 (442-001)
- SPECIAL PROVISION TO ITEM 502 (502-008)
- SPECIAL PROVISION TO ITEM 506 (506-002)
- SPECIAL PROVISION TO ITEM 520 (520-002)
- SPECIAL PROVISION TO ITEM 636 (636-001)
- SPECIAL PROVISION TO ITEM 643 (643-001)
- SPECIAL PROVISION TO ITEM 666 (666-007)

COUNTY OF EL PASO SPECIAL SPECIFICATIONS:

- ITEM ELP1 FIXED BOLLARDS
- ITEM ELP2 PEDESTRIAN ILLUMINATION ASSEMBLIES

GENERAL: THE ABOVE-LISTED SPECIFICATION ITEMS ARE THOSE UNDER WHICH PAYMENT IS TO BE MADE. THESE, TOGETHER WITH SUCH OTHER PERTINENT ITEMS, IF ANY, AS MAY BE REFERENCED TO IN THE ABOVE-LISTED SPECIFICATION ITEMS, AND INCLUDING THE SPECIAL PROVISIONS LISTED ABOVE, CONSTITUTE THE COMPLETE SPECIFICATIONS FOR THIS PROJECT.

JJ. REQUIRED CONTRACT PROVISIONS

Bidder Certification

By signing the proposal the bidder certifies:

1. the only persons or parties interested in this proposal are those named and the bidder has not directly or indirectly participated in collusion, entered into an agreement or otherwise taken any action in restraint of free competitive bidding in connection with the above captioned project.
2. in the event of the award of a contract, the organization represented will secure bonds for the full amount of the contract.
3. the signatory represents and warrants that they are an authorized signatory for the organization for which the bid is submitted and they have full and complete authority to submit this bid on behalf of their firm.
4. that the certifications and representations contained in the proposal are true and accurate and the bidder intends the proposal to be taken as a genuine government record.

Certification of Materials Used

County: El Paso
CCSJ, etc.: 0924-06-616, ETC.
Project #: STP2021(473) TP
Highway: CS (Various)

_____ District Engineer
Texas Department of Transportation

Dear Sir/Madam:

This is to certify that:

The results of the tests on acceptance samples indicate that the materials incorporated in the construction work, and the construction operations controlled by sampling and testing, were in conformity with the approved plans and specifications; and such results compare favorably with the results of the independent assurance sampling and testing.

- () Exceptions to the plans and specifications are explained on the back hereof (or on attached sheet).

- () There are no exceptions to the plans and specification on this project.

Local Government Engineer

Prohibition on Certain Telecommunications Equipment or Services

The Federal Register Notice issued the Final Rule and states that the amendment to 2 CFR 200.216 is effective on August 13, 2020. The new 2 CFR 200.471 regulation provides clarity that the telecommunications and video surveillance costs associated with 2 CFR 200.216 are unallowable for services and equipment from these specific providers. [OMB's Federal Register Notice](#) includes the new 2 CFR 200.216 and 2 CFR 200.471 regulations.

Per the Federal Law referenced above, use of services, systems, or services or systems that contain components produced by any of the following manufacturers is strictly prohibited for use on this project. Therefore, for any telecommunications, CCTV, or video surveillance equipment, services or systems cannot be manufactured by, or have components manufactured by:

- Huawei Technologies Company,
- ZTE Corporation (any subsidiary and affiliate of such entities),
- Hyatera Communications Corporation,
- Hangzhou Hikvision Digital Technology Company,
- Dahua Technology Company (any subsidiary and affiliate of such entities).

Violation of this requirement will require replacement of the equipment at the contractor's expense.

PRE-BID MEETING AGENDA

County of El Paso

Date

Time

Project #: STP2021 (473) TP / CSJ: 0924-06-616, ETC.

I. INTRODUCTION

- Local Government Introductions
- Individual Introductions
- Purpose

II. REVIEW OF THE PROJECT

- Project Identification
 - Location
 - Type of Work
 - Working Days or Length of Contract
- Construction Requirements
 - Safety
 - Required Designations
 - Utilities Issues / Concerns
 - ROW Issues / Concerns
 - Subcontractor Approvals
- Federal Requirements
 - FHWA Form 1273
 - Buy America
 - Equal Employment Opportunity (EEO)
 - Prevailing Wage Rate and Certified Payroll Requirements
 - Bulletin Board Requirements

III. ENVIRONMENTAL CONCERNS

- Article 7.19-Preservation of Cultural Resources, Natural Resources and the Environment.
- SW3P Inspection & Maintenance.
- Mitigation Requirements and Sensitive Areas
 - Mitigation Requirements
 - Endangered Species Considerations

IV. TRAFFIC CONTROL

- Required CRT Designations and Training
- Traffic Laws

V. MATERIALS

- Sources of Project Materials
- Testing / Certification Requirements
- Quality Control/ Quality Assurance Plan
- Storage of Equipment & Materials

VI. DISADVANTAGE BUSINESS ENTERPRISE/SMALL BUSINESS ENTERPRISE

- Goal for the Project ___%
- DBE Contract Provisions and Reporting Requirements

VII. OTHER MATTERS (Follow these requirements unless LG has own requirements)

- TxDOT oversight

VIII. COMMENTS AND ADJOURN

KK. TXDOT WAGE RATE

The wage rates listed herein are those predetermined by the Secretary of Labor and State Statute and listed in the United States Department of Labor's (USDOL) General Decisions dated **01-01-2021** and are the minimum wages to be paid accordingly for each specified classification. To determine the applicable wage rate zone, a list entitled "TEXAS COUNTIES IDENTIFIED BY WAGE RATE ZONES" is provided in the contract. Any wage rate that is not listed herein and not in the USDOL's general decision, must be submitted to the Engineer for approval. **IMPORTANT NOTICE FOR STATE PROJECTS:** only the controlling wage rate zone applies to the contract. Effective 01-01-2021.

CLASS. #	CLASSIFICATION DESCRIPTION	ZONE TX02	ZONE TX03	ZONE TX04	ZONE TX05	ZONE TX06	ZONE TX07	ZONE TX08	ZONE TX24	ZONE TX25	ZONE TX27	ZONE TX28	ZONE TX29	ZONE TX30	ZONE TX37	ZONE TX38	ZONE TX42
		*(TX20210002)	*(TX20210003)	*(TX20210004)	*(TX20210005)	*(TX20210006)	*(TX20210007)	*(TX20210008)	*(TX20210024)	*(TX20210025)	*(TX20210027)	*(TX20210028)	*(TX20210029)	*(TX202210030)	*(TX20210037)	*(TX20210038)	*(TX20210042)
1428	Agricultural Tractor Operator						\$12.69					\$12.35			\$11.75		
1300	Asphalt Distributor Operator	\$14.87	\$13.48	\$13.88	\$15.72	\$15.58	\$15.55	\$15.72	\$13.28	\$15.32	\$15.62	\$14.36	\$14.25	\$14.03	\$13.75	\$14.06	\$14.40
1303	Asphalt Paving Machine Operator	\$13.40	\$12.25	\$12.35	\$13.87	\$14.05	\$14.36	\$14.20	\$13.26	\$13.99	\$14.68	\$12.92	\$13.44	\$12.53	\$14.00	\$14.32	\$12.99
1106	Asphalt Raker	\$12.28	\$10.61	\$12.02	\$14.21	\$11.65	\$12.12	\$11.64	\$11.44	\$12.69	\$12.05	\$11.34	\$11.67	\$11.40	\$12.59	\$12.36	\$11.78
1112	Batching Plant Operator, Asphalt																
1115	Batching Plant Operator, Concrete																
1214	Blaster																
1615	Boom Truck Operator						\$18.36										
1444	Boring Machine Operator																
1305	Broom or Sweeper Operator	\$11.21	\$10.33	\$10.08	\$11.99		\$11.04	\$11.62		\$11.74	\$11.41	\$10.30		\$10.23	\$10.60	\$12.68	\$11.05
1144	Communications Cable Installer																
1124	Concrete Finisher, Paving and Structures	\$13.55	\$12.46	\$13.16	\$12.85	\$12.64	\$12.56	\$12.77	\$12.44	\$14.12	\$13.04	\$13.38	\$12.64	\$12.80	\$12.79	\$12.98	\$13.32
1318	Concrete Pavement Finishing Machine Operator				\$16.05		\$15.48			\$16.05		\$19.31				\$13.07	
1315	Concrete Paving, Curing, Float, Texturing Machine Operator											\$16.34				\$11.71	
1333	Concrete Saw Operator				\$14.67					\$14.48	\$17.33					\$13.99	
1399	Concrete/Gunite Pump Operator																
1344	Crane Operator, Hydraulic 80 tons or less				\$18.22		\$18.36			\$18.12	\$18.04	\$20.21			\$18.63	\$13.86	
1345	Crane Operator, Hydraulic Over 80 Tons																
1342	Crane Operator, Lattice Boom 80 Tons or Less	\$16.82	\$14.39	\$13.85	\$17.27		\$15.87			\$17.27		\$14.67			\$16.42	\$14.97	\$13.87
1343	Crane Operator, Lattice Boom Over 80 Tons				\$20.52		\$19.38			\$20.52		\$17.49			\$25.13	\$15.80	
1306	Crawler Tractor Operator	\$13.96	\$16.63	\$13.62	\$14.26		\$15.67			\$14.07	\$13.15	\$13.38			\$14.60	\$13.68	\$13.50
1351	Crusher or Screen Plant Operator																
1446	Directional Drilling Locator						\$11.67										
1445	Directional Drilling Operator				\$20.32		\$17.24										
1139	Electrician	\$20.96		\$19.87	\$19.80		\$26.35		\$20.27	\$19.80		\$20.92				\$27.11	\$19.87
1347	Excavator Operator, 50,000 pounds or less	\$13.46	\$12.56	\$13.67	\$17.19		\$12.88	\$14.38	\$13.49	\$17.19		\$13.88			\$14.09	\$12.71	\$14.42
1348	Excavator Operator, Over 50,000 pounds		\$15.23	\$13.52	\$17.04		\$17.71			\$16.99	\$18.80	\$16.22				\$14.53	\$13.52
1150	Flagger	\$9.30	\$9.10	\$8.50	\$10.28	\$8.81	\$9.45	\$8.70		\$10.06	\$9.71	\$9.03	\$8.81	\$9.08	\$9.90	\$10.33	\$8.10
1151	Form Builder/Setter, Structures	\$13.52	\$12.30	\$13.38	\$12.91	\$12.71	\$12.87	\$12.38	\$12.26	\$13.84	\$12.98	\$13.07	\$13.61	\$12.82	\$14.73	\$12.23	\$12.25
1160	Form Setter, Paving & Curb	\$12.36	\$12.16	\$13.93	\$11.83	\$10.71	\$12.94			\$13.16	\$12.54	\$11.33	\$10.69		\$13.33	\$12.34	\$13.93
1360	Foundation Drill Operator, Crawler Mounted				\$17.99					\$17.99						\$17.43	
1363	Foundation Drill Operator, Truck Mounted		\$16.86	\$22.05	\$21.51		\$16.93			\$21.07	\$20.20	\$20.76		\$17.54	\$21.39	\$15.89	\$22.05
1369	Front End Loader Operator, 3 CY or Less	\$12.28	\$13.49	\$13.40	\$13.85		\$13.04	\$13.15	\$13.29	\$13.69	\$12.64	\$12.89			\$13.51	\$13.32	\$12.17
1372	Front End Loader Operator, Over 3 CY	\$12.77	\$13.69	\$12.33	\$14.96		\$13.21	\$12.86	\$13.57	\$14.72	\$13.75	\$12.32			\$13.19	\$13.17	\$13.02
1329	Joint Sealer																
1172	Laborer, Common	\$10.30	\$9.86	\$10.08	\$10.51	\$10.71	\$10.50	\$10.24	\$10.58	\$10.72	\$10.45	\$10.30	\$10.25	\$10.03	\$10.54	\$11.02	\$10.15
1175	Laborer, Utility	\$11.80	\$11.53	\$12.70	\$12.17	\$11.81	\$12.27	\$12.11	\$11.33	\$12.32	\$11.80	\$11.53	\$11.23	\$11.50	\$11.95	\$11.73	\$12.37

CLASS. #	CLASSIFICATION DESCRIPTION	ZONE TX02 *(TX20210002)	ZONE TX03 *(TX20210003)	ZONE TX04 *(TX20210004)	ZONE TX05 *(TX20210005)	ZONE TX06 *(TX20210006)	ZONE TX07 *(TX20210007)	ZONE TX08 *(TX20210008)	ZONE TX24 *(TX20210024)	ZONE TX25 *(TX20210025)	ZONE TX27 *(TX20210027)	ZONE TX28 *(TX20210028)	ZONE TX29 *(TX20210029)	ZONE TX30 *(TX202210030)	ZONE TX37 *(TX20210037)	ZONE TX38 *(TX20210038)	ZONE TX42 *(TX20210042)
1346	Loader/Backhoe Operator	\$14.18	\$12.77	\$12.97	\$15.68		\$14.12			\$15.18	\$13.58	\$12.87		\$13.21	\$14.13	\$14.29	\$12.90
1187	Mechanic	\$20.14	\$15.47	\$17.47	\$17.74	\$17.00	\$17.10			\$17.68	\$18.94	\$18.58	\$17.00	\$16.61	\$18.46	\$16.96	\$17.47
1380	Milling Machine Operator	\$15.54	\$14.64	\$12.22	\$14.29		\$14.18			\$14.32	\$14.35	\$12.86			\$14.75	\$13.53	\$12.80
1390	Motor Grader Operator, Fine Grade	\$17.49	\$16.52	\$16.88	\$17.12	\$18.37	\$18.51	\$16.69	\$16.13	\$17.19	\$18.35	\$17.07	\$17.74	\$17.47	\$17.08	\$15.69	\$20.01
1393	Motor Grader Operator, Rough	\$16.15	\$14.62	\$15.83	\$16.20	\$17.07	\$14.63	\$18.50		\$16.02	\$16.44	\$15.12	\$16.85	\$14.47	\$17.39	\$14.23	\$15.53
1413	Off Road Hauler			\$10.08	\$12.26		\$11.88			\$12.25		\$12.23			\$13.00	\$14.60	
1196	Painter, Structures					\$21.29	\$18.34						\$21.29			\$18.62	
1396	Pavement Marking Machine Operator	\$16.42		\$13.10	\$13.55		\$19.17	\$12.01		\$13.63	\$14.60	\$13.17		\$16.65	\$10.54	\$11.18	\$13.10
1443	Percussion or Rotary Drill Operator																
1202	Piledriver																\$14.95
1205	Pipelayer		\$11.87	\$14.64	\$13.17	\$11.17	\$12.79		\$11.37	\$13.24	\$12.66	\$13.24	\$11.17	\$11.67		\$12.12	\$14.64
1384	Reclaimer/Pulverizer Operator	\$12.85			\$11.90		\$12.88			\$11.01		\$10.46					
1500	Reinforcing Steel Worker	\$13.50	\$14.07	\$17.53	\$16.17		\$14.00			\$16.18	\$12.74	\$15.83		\$17.10		\$15.15	\$17.72
1402	Roller Operator, Asphalt	\$10.95		\$11.96	\$13.29		\$12.78	\$11.61		\$13.08	\$12.36	\$11.68			\$11.71	\$11.95	\$11.50
1405	Roller Operator, Other	\$10.36		\$10.44	\$11.82		\$10.50	\$11.64		\$11.51	\$10.59	\$10.30		\$12.04	\$12.85	\$11.57	\$10.66
1411	Scraper Operator	\$10.61	\$11.07	\$10.85	\$12.88		\$12.27		\$11.12	\$12.96	\$11.88	\$12.43		\$11.22	\$13.95	\$13.47	\$10.89
1417	Self-Propelled Hammer Operator																
1194	Servicer	\$13.98	\$12.34	\$14.11	\$14.74		\$14.51	\$15.56	\$13.44	\$14.58	\$14.31	\$13.83		\$12.43	\$13.72	\$13.97	\$14.11
1513	Sign Erector																
1708	Slurry Seal or Micro-Surfacing Machine Operator																
1341	Small Slipform Machine Operator									\$15.96							
1515	Spreader Box Operator	\$12.60		\$13.12	\$14.71		\$14.04			\$14.73	\$13.84	\$13.68		\$13.45	\$11.83	\$13.58	\$14.05
1705	Structural Steel Welder															\$12.85	
1509	Structural Steel Worker						\$19.29									\$14.39	
1339	Subgrade Trimmer																
1143	Telecommunication Technician																
1145	Traffic Signal/Light Pole Worker						\$16.00										
1440	Trenching Machine Operator, Heavy						\$18.48										
1437	Trenching Machine Operator, Light																
1609	Truck Driver Lowboy-Float	\$14.46	\$13.63	\$13.41	\$15.00	\$15.93	\$15.66			\$16.24	\$16.39	\$14.30	\$16.62	\$15.63	\$14.28	\$16.03	\$13.41
1612	Truck Driver Transit-Mix				\$14.14					\$14.14							
1600	Truck Driver, Single Axle	\$12.74	\$10.82	\$10.75	\$13.04	\$11.61	\$11.79	\$13.53	\$13.16	\$12.31	\$13.40	\$10.30	\$11.61		\$11.97	\$11.46	\$10.75
1606	Truck Driver, Single or Tandem Axle Dump Truck	\$11.33	\$14.53	\$11.95	\$12.95		\$11.68		\$14.06	\$12.62	\$11.45	\$12.28		\$13.08	\$11.68	\$11.48	\$11.10
1607	Truck Driver, Tandem Axle Tractor with Semi Trailer	\$12.49	\$12.12	\$12.50	\$13.42		\$12.81	\$13.16		\$12.86	\$16.22	\$12.50			\$13.80	\$12.27	\$12.50
1441	Tunneling Machine Operator, Heavy																
1442	Tunneling Machine Operator, Light																
1706	Welder		\$14.02		\$14.86		\$15.97		\$13.74	\$14.84					\$13.78		
1520	Work Zone Barricade Servicer	\$10.30	\$12.88	\$11.46	\$11.70	\$11.57	\$11.85	\$10.77		\$11.68	\$12.20	\$11.22	\$11.51	\$12.96	\$10.54	\$11.67	\$11.76

Notes:

*Represents the USDOL wage decision.

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

For reference, the titles and descriptions for the classifications listed here are detailed further in the AGC of Texas' *Standard Job Classifications and Descriptions for Highway, Heavy, Utilities, and Industrial Construction in Texas* posted on the AGC's Web site for any contractor.

**TEXAS COUNTIES IDENTIFIED BY
WAGE RATE ZONES: 2, 3, 4, 5, 6, 7, 8, 24, 25, 27, 28, 29, 30, 37, 38, 42**

County Name	Zone	County Name	Zone	County Name	Zone	County Name	Zone
Anderson	28	Donley	37	Karnes	27	Reagan	37
Andrews	37	Duval	30	Kaufman	25	Real	37
Angelina	28	Eastland	37	Kendall	7	Red River	28
Aransas	29	Ector	2	Kenedy	30	Reeves	8
Archer	25	Edwards	8	Kent	37	Refugio	27
Armstrong	2	El Paso	24	Kerr	27	Roberts	37
Atascosa	7	Ellis	25	Kimble	37	Robertson	7
Austin	38	Erath	28	King	37	Rockwall	25
Bailey	37	Falls	28	Kinney	8	Runnels	37
Bandera	7	Fannin	28	Kleberg	27	Rusk	4
Bastrop	7	Fayette	27	Knox	37	Sabine	28
Baylor	37	Fisher	37	Lamar	28	San Augustine	28
Bee	27	Floyd	37	Lamb	37	San Jacinto	38
Bell	7	Foard	37	Lampasas	7	San Patricio	29
Bexar	7	Fort Bend	38	LaSalle	30	San Saba	37
Blanco	27	Franklin	28	Lavaca	27	Schleicher	37
Borden	37	Freestone	28	Lee	27	Scurry	37
Bosque	28	Frio	27	Leon	28	Shackelford	37
Bowie	4	Gaines	37	Liberty	38	Shelby	28
Brazoria	38	Galveston	38	Limestone	28	Sherman	37
Brazos	7	Garza	37	Lipscomb	37	Smith	4
Brewster	8	Gillespie	27	Live Oak	27	Somervell	28
Briscoe	37	Glasscock	37	Llano	27	Starr	30
Brooks	30	Goliad	29	Loving	37	Stephens	37
Brown	37	Gonzales	27	Lubbock	2	Sterling	37
Burleson	7	Gray	37	Lynn	37	Stonewall	37
Burnet	27	Grayson	25	Madison	28	Sutton	8
Caldwell	7	Gregg	4	Marion	28	Swisher	37
Calhoun	29	Grimes	28	Martin	37	Tarrant	25
Callahan	25	Guadalupe	7	Mason	27	Taylor	2
Cameron	3	Hale	37	Matagorda	27	Terrell	8
Camp	28	Hall	37	Maverick	30	Terry	37
Carson	2	Hamilton	28	McCulloch	37	Throckmorton	37
Cass	28	Hansford	37	McLennan	7	Titus	28
Castro	37	Hardeman	37	McMullen	30	Tom Green	2
Chambers	38	Hardin	38	Medina	7	Travis	7
Cherokee	28	Harris	38	Menard	37	Trinity	28
Childress	37	Harrison	42	Midland	2	Tyler	28
Clay	25	Hartley	37	Milam	28	Upshur	4
Cochran	37	Haskell	37	Mills	37	Upton	37
Coke	37	Hays	7	Mitchell	37	Uvalde	30
Coleman	37	Hemphill	37	Montague	37	Val Verde	8
Collin	25	Henderson	28	Montgomery	38	Van Zandt	28
Collingsworth	37	Hidalgo	3	Moore	37	Victoria	6
Colorado	27	Hill	28	Morris	28	Walker	28
Comal	7	Hockley	37	Motley	37	Waller	38
Comanche	37	Hood	28	Nacogdoches	28	Ward	37
Concho	37	Hopkins	28	Navarro	28	Washington	28
Cooke	37	Houston	28	Newton	28	Webb	3
Coryell	7	Howard	37	Nolan	37	Wharton	27
Cottle	37	Hudspeth	8	Nueces	29	Wheeler	37
Crane	37	Hunt	25	Ochiltree	37	Wichita	5
Crockett	8	Hutchinson	37	Oldham	37	Wilbarger	37
Crosby	2	Irion	2	Orange	38	Willacy	30
Culberson	8	Jack	28	Palo Pinto	28	Williamson	7
Dallam	37	Jackson	27	Panola	28	Wilson	7
Dallas	25	Jasper	28	Parker	25	Winkler	37
Dawson	37	Jeff Davis	8	Parmer	37	Wise	25
Deaf Smith	37	Jefferson	38	Pecos	8	Wood	28
Delta	25	Jim Hogg	30	Polk	28	Yoakum	37
Denton	25	Jim Wells	27	Potter	2	Young	37
DeWitt	27	Johnson	25	Presidio	8	Zapata	30
Dickens	37	Jones	25	Rains	28	Zavala	30
Dimmit	30			Randall	2		

LL. EXHIBITS

EXHIBIT 1

County Bid _____ Entitled “ _____ ”

And

**All Bid Addenda, Invitation for Bids, Instructions to Bidders,
General Conditions, and Contract Agreement**

EXHIBIT 2

Contractor's Bid Response

EXHIBIT 3

Contractor's Payment Bond

EXHIBIT 4

Contractor's Performance Bond

MM. SOLICITATION CHECKLIST

COUNTY OF EL PASO, TEXAS
Solicitation Check List

Bid 22-003
Tornillo North and South
Sidewalks/SUP

THIS CHECKLIST IS PROVIDED FOR YOUR CONVENIENCE

- _____ Responses should be delivered to the County Purchasing Department by 2:00 p.m., **Friday, December 16, 2021**

No in-person submittals are allowed. Vendors must mail via USPS or third-party carrier (i.e. Fed-Ex/UPS). The County of El Paso is not responsible for late deliveries of any kind or any reason.

- _____ Did you visit our website (www.epcounty.com) for any addendums?

- _____ Did you sign all required Bid Documents?

- _____ Did you sign the “Certifications Regarding Lobbying, Debarment, Suspension and Other Responsibility Matters; Drug-Free Workplace Requirements; Federal Debt Status, and Nondiscrimination Status And Implementing Regulations” document?

- _____ If seeking preference, did you sign the “Health Insurance Benefits Questionnaire”?

- _____ Did you sign and complete the required “Conflict of Interest Questionnaire”?

- _____ Did you sign and complete the required “Certificate of Interested Parties Form”?

- _____ Did you sign and complete the required “Ethics Affidavit Form”?

- _____ Did you provide the required bid bond documents?

- _____ Did you provide one original and two (2) electronic versions of the complete bid (CD/DVD/Flashdrive) in Word/PDF Format of your response? Electronic copy must reflect the original hard copy.

**(added) TxDOT Standard Specifications for
Construction and Maintenance of Highways,
Streets, and Bridges 2014 Modified Items**

1L-9L modifies Item 1-9 to meet all local, state, and federal statutory requirements for projects Let by Local Governments [As this Document modifies TxDOT publication “Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges 2014”]. In general, the Owner” or the “Engineer” references the CRRMA or their representatives (Consulting Engineers, etc.) Reference to “Department” or “Engineer” in the construction and maintenance specifications refers to the CRRMA except when it is referencing a TxDOT Applicaton, manual, material specification, Material Producers List or test method.

Foreword

OUTLINE OF SPECIFICATIONS

Each specification is outlined by articles and sections. The basic articles required for a specification are:

1. **DESCRIPTION**
2. **MATERIALS**
3. **EQUIPMENT**
4. **CONSTRUCTION OR WORK METHODS**
5. **MEASUREMENT**
6. **PAYMENT**

Some articles are not used in every item. Measurement and Payment articles are combined when the work described is subsidiary to bid items of the Contract.

HIERARCHY OF ORGANIZATIONAL ELEMENTS

Here “XXX” represents the item number. The hierarchy of organizational elements available below the item level is as follows:

- XXX.1., Article
- XXX.1.1., Section
- XXX.1.1.1., Section
- XXX.1.1.1.1., Section
- XXX.1.1.1.1.1., Section
- XXX.1.1.1.1.1.1., Section

The term section is used for all breaks below the article.

Items 1L-9L

Local Government General Requirements and Covenants

Item 1L

Abbreviations and Definitions

1. APPLICABILITY

Wherever the following terms are used in these specifications or other Contract documents, the intent and meaning will be interpreted as shown below.

2. ABBREVIATIONS

AAR	Association of American Railroads
AASHTO	American Association of State Highway and Transportation Officials American Concrete Institute
ACPA	American Concrete Pipe Association Asphalt Institute
AIA	American Institute of Architects
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
AITC	American Institute of Timber Construction ALSC American Lumber Standard Committee, Inc.
AMRL	AASHTO Materials Reference Laboratory ANLA American Nursery and Landscape Association
ANSI	American National Standards Institute
APA	The Engineered Wood Association
API	American Petroleum Institute APWA American Public Works Association
AREMA	American Railway Engineering and Maintenance-of-Way Association
ASBI	American Segmental Bridge Institute
ASCE	American Society of Civil Engineers
ASLA	American Society of Landscape Architects ASME American Society of Mechanical Engineers ASNT American Society for Nondestructive Testing
ASTM	American Society for Testing and Materials AWC American Wood Council
AWG	American Wire Gage
AWPA	American Wood Protection Association
AWPI	American Wood Preservers Institute AWS American Welding Society
AWWA	American Water Works Association
BMP	Best Management Practices
CFR	Code of Federal Regulations
CMP	Corrugated Metal Pipe
COE	U.S. Army Corps of Engineers
CRRMA	Camino Real Regional Mobile Authority

CRSI	Concrete Reinforcing Steel Institute
DBE	Disadvantaged Business Enterprise DMS Departmental Material Specification EIA Electronic Industries Alliance
EPA	United States Environmental Protection Agency
FHWA	Federal Highway Administration, U.S. Department of Transportation FSS Federal Specifications and Standards (General Services Administration) GSA United States General Services Administration
HUB	Historically Underutilized Business ICEA Insulated Cable Engineers Association
IEEE	Institute of Electrical and Electronics Engineers IESNA Illuminating Engineering Society of North America IMSA International Municipal Signal Association
ISO	International Organization for Standardization ITS Intelligent Transportation System
ITE	Institute of Transportation Engineers
LG	Local Government
LRFD	Load and Resistance Factor Design MASH Manual for Assessing Safety Hardware
MPL	Material Producer List (TxDOT document)
NCHRP	National Cooperative Highway Research Program NCR Nonconformance Report (TxDOT form)
NEC	National Electrical Code (Published by NFPA) NEMA National Electrical Manufacturers Association
NEPA	National Environmental Policy Act
NESC	National Electrical Safety Code NFPA National Fire Protection Association
NIST	National Institute of Standards and Technology NRM Nonhazardous Recyclable Material
NRMCA	National Ready Mixed Concrete Association
NSBA	National Steel Bridge Alliance
NTPEP	National Transportation Product Evaluation Program
OSHA	Occupational Safety & Health Administration, U.S. Department of Labor PCA Portland Cement Association
PCI	Precast/Prestressed Concrete Institute
PE	Professional Engineer
PPI	Plastics Pipe Institute
PS&E	Plans, Specifications, and Estimates PSL Project-Specific Location
PTI	Post-Tension Institute
QA	Quality Assurance
QC	Quality Control
RCP	Reinforced Concrete Pipe
RPLS	Registered Public Land Surveyor
RRC	Railroad Commission of Texas
SBE	Small Business Enterprise

SFPA	Southern Forest Products Association
SI	International System of Units
SPIB	Southern Pine Inspection Bureau
SSPC	The Society for Protective Coatings
TAC	Texas Administrative Code
TCEQ	Texas Commission on Environmental Quality
TDLR	Texas Department of Licensing and Regulation
TGC	Texas Government Code
TMUTCD	Texas Manual on Uniform Traffic Control Devices
TxDOT	Texas Department of Transportation
UL	Underwriters Laboratory, Inc.
USC	United States Code
WRI	Wire Reinforcement Institute
WWPA	Western Wood Products Association

3. DEFINITIONS

- 3.1. **Abrasive Blasting.** Spraying blasts of pressurized air combined with abrasive media.
- 3.2. **Actual Cost.** Contractor's actual cost to provide labor, material, equipment, and project overhead necessary for the work.
- 3.3. **Addendum.** Change in bid documents developed between advertising and bid submittal deadline.
- 3.4. **Additive Alternate.** A bid item contained in the bid documents that is not a regular item or a replacement alternate bid item. The additive alternate items include work that may be added to the base bid work.
- 3.5. **Deductive Alternate.** A bid item contained in the bid documents that is not a regular item or a replacement alternate bid item. The deductive alternate items include work that may be deducted from the base bid work.
- 3.6. **Advertisement.** The public announcement required by law inviting bids for work to be performed or materials to be furnished.
- 3.7. **Affiliates.** Two or more firms are affiliated if they share common officers, directors, or stockholders; a family member of an officer, director, or stockholder of one firm serves in a similar capacity in another of the firms; an individual who has an interest in, or controls a part of, one firm either directly or indirectly also has an interest in, or controls a part of, another of the firms; the firms are so closely connected or associated that one of the firms, either directly or indirectly, controls or has the power to control another

firm; one firm controls or has the power to control another of the firms; or the firms are closely allied through an established course of dealings, including, but not limited to, the lending of financial assistance.

- 3.8. **Air Blasting.** Spraying blasts of pressurized air free of oil and moisture.
- 3.9. **Air Temperature.** The temperature measured in degrees Fahrenheit (°F) in the shade, not in the direct rays of the sun, and away from artificial heat.
- 3.10. **Anticipated Profit.** Profit for work not performed.
- 3.11. **Apparent Low Bidder.** The Bidder determined to have the numerically lowest total bid as a result of the tabulation of bids by the Owner.
- 3.12. **Architect of Record.** A person registered as an architect or licensed as a landscape architect, in accordance with State law, exercising overall responsibility for the design or a significant portion of the design and performs certain Contract administration responsibilities as described in the Contract; or a firm employed by the Owner to provide professional architectural services.
- 3.13. **Arterial Highway.** A highway used primarily for through traffic and usually on a continuous route.
- 3.14. **Notice of Award.** The Owner's acceptance of a Contractor's bid for a proposed Contract that authorizes the Owner to enter into a Contract.
- 3.15. **Base Bid.** The total bid amount without additive alternates.
- 3.16. **Bid.** The offer from the Bidder for performing the work described in the bid documents, submitted on the prescribed bid form, considering addenda issued and giving unit bid prices for performing the work described in the bid documents.
- 3.17. **Bid Bond.** The security executed by the Contractor and the Surety furnished to the Owner to guarantee payment of liquidated damages if the Contractor fails to enter into an awarded Contract.
- 3.18. **Bid Documents.** The complete set of documents necessary for a Bidder to submit a bid. The documents may include plans, specifications, special specifications, special provisions, addenda, and the prescribed form a Bidder is to submit as the Bid. Other terms used may include general conditions, proposal, instructions to bidders, bid packet, and construction specifications.
- 3.19. **Bid Error.** A mathematical mistake made by a Bidder in the unit price entered onto the bid documents.

- 3.20. **Bid Form.** The portion of the bid documents that a prospective Bidder must submit to the Owner for their bid to be considered.
- 3.21. **Bidder.** An individual, partnership, limited liability company, corporation, or joint venture submitting a bid for a proposed Contract.
- 3.22. **Blast Cleaning.** Using one of the blasting methods, including, but not limited to, water blasting, low-pressure water blasting, high-pressure water blasting, abrasive blasting, water-abrasive blasting, shot blasting, slurry blasting, water injected abrasive blasting, and brush blasting.
- 3.23. **Bridge.** A structure, including supports, erected over a depression or an obstruction (e.g., water, a highway, or a railway) having a roadway or track for carrying traffic or other moving loads, and having an opening measured along the center of the roadway of more than 20 ft. between faces of abutments, spring lines of arches, or extreme ends of the openings for multiple boxculverts.
- 3.24. **Brush Blasting.** Sweeping lightly with an abrasive blast to remove loose material.
- 3.25. **Building Contract.** A Contract entered under State law for the construction or maintenance of an Owner building or appurtenance facilities. Building Contracts are considered to be construction Contracts.
- 3.26. **Certificate of Insurance.** A form approved by the Owner covering insurance requirements stated in the Contract.
- 3.27. **Change Order.** Written order to the Contractor detailing changes to the specified work, item quantities or any other modification to the Contract.
- 3.28. **Concrete Construction Joint.** A joint formed by placing plastic concrete in direct contact with concrete that has attained its initial set.
- 3.29. **Concrete Repair Manual.** TxDOT manual specifying methods and procedures for concrete repair as an extension of the standard specifications.
- 3.30. **ConcreteWorks©.** TxDOT-owned software for concrete heat analysis. Software is available on the TxDOT's website.
- 3.31. **Construction Contract.** A Contract entered under State law for the construction, reconstruction, or maintenance of a segment of the Owner's transportation system.
- 3.32. **Consultant.** The licensed professional engineer or engineering firm, or the architect or architectural firm, registered in the State of Texas and under Contract to the Owner to

perform professional services. The consultant may be the Engineer or architect of record or may provide services through and be subcontracted to the Engineer or architect of record.

- 3.33. **Contract.** The agreement between the Owner and the Contractor establishing the obligations of the parties for furnishing of materials and performance of the work prescribed in the Contract documents.
- 3.34. **Contract Documents.** Elements of the Contract, including, but not limited to, the plans, specifications incorporated by reference, special provisions, special specifications, Contract bonds, change orders, addendums, and supplemental agreements.
- 3.35. **Contract Time.** The number of days specified for completion of the work, including authorized additional working days.
- 3.36. **Contractor.** The individual, partnership, limited liability company, corporation, or joint venture and all principals and representatives with which the Contract is made by the Owner.
- 3.37. **Controlled Access Highway.** Any highway to or from which access is denied or controlled, in whole or in part, from or to abutting land or intersecting streets, roads, highways, alleys, or other public or private ways.
- 3.38. **Control of Access.** The condition in which the right to access of owners or occupants of abutting land or other persons in connection with a highway is fully or partially controlled by public authority.
- 3.39. **Control Point.** An established point shown on the plans to provide vertical and horizontal references for geometric control for construction.
- 3.40. **Cross-Sections.** Graphic representations of the original ground and the proposed facility, at right angles to the centerline or base line.
- 3.41. **Culvert.** Any buried structure providing an opening under a roadway for drainage or other purposes. Culverts may also be classified as bridges. (See Section 1.3.23., "Bridge.")
- 3.42. **Cycle.** The activity necessary for performing the specified work within the right of way project limits once.
- 3.43. **Daily Road User Cost.** Damages based on the estimated daily cost of inconvenience to the traveling public resulting from the work.
- 3.44. **Date of Written Authorization.** Date of the written Notice to proceed authorizing the Contractor to begin work.

345. **Debar (Debarment).** Action taken by the Owner, State, or federal government pursuant to regulation that prohibits a person or company from entering into a Contract, or from participating as a subcontractor, or supplier of materials or equipment used in a highway improvement Contract as defined in local, state, or federal law.
346. **Detour.** A temporary traffic route around a closed portion of a road.
347. **Department.** When used in the context of the party with whom the Contractor has a Construction Contract, Department refers to Owner. When used in other contexts such as technical specifications, refers to the Texas Department of Transportation.
348. **Departmental Material Specifications.** Reference specifications for various materials published by TxDOT's Construction Division with a DMS-XXXXX numbering system.
349. **Direct Traffic Culvert.** Concrete box culvert whose top slab is used as the final riding surface or is to have an overlay or other riding surface treatment.
350. **Disadvantaged Business Enterprise.** A small business certified through the Texas Unified Certification Program in accordance with 49 CFR Part 26, that is at least 51% owned by one or more socially and economically disadvantaged individuals, or in the case of a publicly owned business, in which at least 51% of the stock is owned by one or more socially and economically disadvantaged individuals, and whose management and daily business operations are controlled by one or more of the individuals who own it.
351. **Divided Highway.** A highway with separate roadways intended to move traffic in opposite directions.
352. **Easement.** A real property right acquired by one party to use land belonging to another party for a specified purpose.
353. **Engineer.** The Professional Engineer licensed in Texas who represents the interests of the Owner.
354. **Entity.** Political subdivision for which the project is designed and constructed. Either a Municipality (City) or a County or other entity organized under the authority of State of Texas statutes. May also be referred to as an Owner.
355. **Expressway.** A divided arterial highway for through traffic with full or partial control of access and generally with grade separations at intersections.
356. **Family Member.** A family member of an individual is the individual's parent, parent's

spouse, step-parent, step-parent's spouse, sibling, sibling's spouse, spouse, child, child's spouse, spouse's child, spouse's child's spouse, grandchild, grandparent, uncle, uncle's spouse, aunt, aunt's spouse, first cousin, or first cousin's spouse.

- 3.57. **Force Account.** Payment for directed work based on the actual cost of labor, equipment, and materials furnished with markups for project overhead and profit.
- 3.58. **Freeway.** An expressway with full control of access.
- 3.59. **Frontage Road.** A local street or road auxiliary to and located along an arterial highway for service to abutting property and adjacent areas and for control of access (sometimes known as a service road, access road, or insulator road).
- 3.60. **Hazardous Materials or Waste.** Hazardous materials or waste include, but are not limited to, explosives, compressed gas, flammable liquids, flammable solids, combustible liquids, oxidizers, poisons, radioactive materials, corrosives, etiologic agents, and other material classified as hazardous by 40 CFR 261, or applicable state and federal regulations.
- 3.61. **High-Pressure Water Blasting.** Water blasting with pressures between 5,000 and 10,000 PSI.
- 3.62. **Highway, Street, or Road.** General terms denoting a public way for purposes of vehicular travel, including the entire area within the right of way. Recommended usage in urban areas is highway or street; in rural areas, highway or road.
- 3.63. **Historically Underutilized Business.** A corporation, sole proprietorship, partnership, or joint venture formed for the purpose of making a profit certified by the Texas Comptroller of Public Accounts, and 51% owned by one or more persons who are economically disadvantaged because of their identification as members of certain groups, including African Americans, Hispanic Americans, Asian-Pacific Americans, Native Americans, or women, and have a proportionate interest and demonstrate active participation in the control, operation, and management of the business' affairs. Individuals meeting the HUB definition are required to be residents of the State of Texas. Businesses that do not have their primary headquarters in the State of Texas are not eligible for HUB certification.
- 3.64. **Incentive/Disincentive Provisions.** An adjustment to the Contract price of a predetermined amount for each day the work is completed ahead of or behind the specified milestone, phase, or Contract completion dates. The amount of the incentive/disincentive is determined based on estimated costs for engineering, traffic control, delays to the motorists, and other items involved in the Contract.
- 3.65. **Independent Assurance Tests.** Tests used to evaluate the sampling and testing

techniques and equipment used in the acceptance program. The tests are performed by the Owner or the Owner's representative and are not used for acceptance purposes.

- 3.66. **Inspector.** The person assigned by the Owner to inspect any or all parts of the work and the materials used for compliance with the Contract.
- 3.67. **Intelligent Transportation System.** An integrated system that uses video and other electronic detection devices to monitor traffic flows.
- 3.68. **Intersection.** The general area where 2 or more highways, streets, or roads join or cross, including the roadway and roadside facilities for traffic movements within it.
- 3.69. **Island.** An area within a roadway from which vehicular traffic is intended to be excluded, together with any area at the approach occupied by protective deflecting or warning devices.
- 3.70. **Joint Venture.** Any combination of individuals, partnerships, limited liability companies, or corporations submitting a single bid form.
- 3.71. **Lane Rental.** A method to assess the Contractor daily or hourly rental fees for each lane, shoulder, or combination of lanes and shoulder taken out of service.
- 3.72. **Letting.** The receipt, opening, tabulation, and determination of the apparent low Bidder.
- 3.73. **Letting Official.** The Owner representative empowered by the Owner to officially receive bids and close the receipt of bids at a letting.
- 3.74. **Licensed Professional Engineer.** A person who has been duly licensed by the Texas Board of Professional Engineers to engage in the practice of engineering in the State of Texas; also referred to as a Professional Engineer.
- 3.75. **Limits of Construction.** An area with established boundaries, identified within the highway right of way and easements, where the Contractor is permitted to perform the work.
- 3.76. **Local Street or road** A street or road primarily for access to residence, business, or other abutting property.
- 3.77. **Low Pressure Water Blasting.** Water blasting with pressures between 3,000 and 5,000 PSI.
- 3.78. **Major Item.** An item of work included in the Contract that has a total cost equal to or greater than 5% of the original Contract or \$100,000 whichever is less. A major item at the time of bid will remain a major item. An item not originally a major item does not

become one through the course of the Contract.

- 3.79. **Material Producer List.** TxDOT-maintained list of approved products. Referenced as “Department’s MPL”.
- 3.80. **Materially Unbalanced Bid.** A bid that generates a reasonable doubt that award to the Bidder submitting a mathematically unbalanced bid will result in the lowest ultimate cost to the Owner.
- 3.81. **Mathematically Unbalanced Bid.** A bid containing bid prices that do not reflect reasonable actual costs plus a reasonable proportionate share of the Bidder’s anticipated profit, overhead costs, and other indirect costs.
- 3.82. **Median.** The portion of a divided highway separating the traffic lanes in opposite directions.
- 3.83. **Milestone Date.** The date that a specific portion of the work is to be completed, before the completion date for all work under the Contract.
- 3.84. **Monolithic Concrete Placement.** The placement of plastic concrete in such manner and sequence to prevent a construction joint.
- 3.85. **National Holidays.** January 1, the last Monday in May, July 4, the first Monday in September, the fourth Thursday in November, and December 24 or December 25.
- 3.86. **New.** Any time this word appears in the documents it shall be considered as work necessary to complete the required improvements as shown on the plans. The contractor shall include all “New” items as part of the bid. The terms “Proposed” and “New” shall be considered equal when bidding this project.
- 3.87. **Nonhazardous Recyclable Material.** A material recovered or diverted from the nonhazardous waste stream for the purposes of reuse or recycling in the manufacture of products that may otherwise be produced using raw or virgin materials.
- 3.88. **Nonresident Bidder.** A Bidder whose principal place of business is not in Texas. This includes a Bidder whose ultimate parent company or majority owner does not have its principal place of business in Texas.
- 3.89. **Nonresponsive Bid.** A bid that does not meet the criteria for acceptance contained in the bid documents.
- 3.90. **Non-Site-Specific Contracts.** Contracts in which a geographic region is specified for the work and for which work orders, with or without plans, further detail the limits and work to be performed.

- 3.91. **Notice to Proceed**, Written notification to the Contractor authorizing work to begin.
- 3.92. **Notification**. Either written or oral instruction to the Contractor concerning the work. Voice mail is oral notification.
- 3.93. **Owner**, Political subdivision for whom the project is designed and constructed. Either a Municipality (City), a County or other entity organized under the authority of State of Texas statutes. May also be referred to as an Entity.
- 3.94. **Pavement**. That part of the roadway having a constructed surface for the use of vehicular traffic.
- 3.95. **Pavement Structure**. Combination of surface course and base course placed on a subgrade to support the traffic load and distribute it to the roadbed.
- 3.95.1. **Surface Course**. Pavement structure layers designed to accommodate the traffic load. The top layer resists skidding, traffic abrasion, and the disintegrating effects of climate and is sometimes called the wearing course.
- 3.95.2. **Base Course**. One or more layers of specified material thickness placed on a subgrade to support a surface course.
- 3.95.3. **Subgrade**. The top surface of a roadbed upon which the pavement structure, shoulders, and curbs are constructed.
- 3.95.4. **Subgrade Treatment**. Modifying or stabilizing material in the subgrade.
- 3.96. **Payment Bond**. The security executed by the Contractor and the Surety, furnished to the Owner to guarantee payment of all legal debts of the Contractor pertaining to the Contract.
- 3.97. **Performance Bond**. The security executed by the Contractor and the Surety, furnished to the Owner to guarantee the completion of the work in accordance with the terms of the Contract.
- 3.98. **Plans**. The approved drawings, including true reproductions of the drawings that show the location, character, dimensions, and details of the work and are a part of the Contract.
- 3.99. **Power of Attorney for Surety Bonds**. An instrument under corporate seal appointing an attorney in fact to act on behalf of a Surety in signing bonds.
- 3.100. **Qualification**. The process for determining a Contractor's eligibility to be awarded a construction contract
- 3.101. **Prequalification**. The process for determining a Contractor's eligibility to bid work.

- 3.102. **Prequalification Statement.** The forms on which required information is furnished concerning the Contractor's ability to perform and finance the work.
- 3.103. **Prequalified Contractor.** A contractor that is approved to bid on TxDOT contracts by satisfying their Prequalification Process.
- 3.104. **Post Qualification.** The owner will determine if contractors are qualified to bid on the project after bids are open. The bid documents will identify the minimum requirements that contractor must meet to be qualified for the project. Unqualified contractors' bids will be considered non-responsive and not accepted.
- 3.105. **Project-Specific Location.** A material source, plant, waste site, parking area, storage area, field office, staging area, haul road, or other similar location either outside the project limits or within the project limits but not specifically addressed in the Contract.
- 3.106. **Proposed.** Any time this word appears in the documents it shall be considered as work necessary to complete the required improvements as shown on the plans. The contractor shall include all "Proposed" items as part of the bid. The terms "Proposed" and "New" shall be considered equal when bidding this project.
- 3.107. **Proposal Guaranty.** The security furnished by the Bidder as a guarantee that the Bidder will enter into a Contract if awarded the work.
- 3.108. **Quality Assurance.** Sampling, testing, inspection, and other activities conducted by the Engineer to determine payment and make acceptance decisions.
- 3.109. **Quality Control.** Sampling, testing, and other process control activities conducted by the Contractor to monitor production and placement operations.
- 3.110. **Ramp.** A section of highway for the primary purpose of making connections with other highways.
- 3.111. **Referee Tests.** Tests requested to resolve differences between Contractor and Owner test results. The referee laboratory is the Owners.
- 3.112. **Regular Item.** A bid item contained in the bid documents and not designated as an additive alternate or replacement alternate bid item.
- 3.113. **Rental Rate Blue Book for Construction Equipment.** Publication containing equipment rental rates.
- 3.114. **Replacement Alternate.** A bid item identified on the bid documents that a Bidder may substitute for a specific regular item of work.
- 3.115. **Responsive Bid.** A bid that meets all requirements of the advertisement and the bid

documents for acceptance.

- 3.116. **Right of Way.** A general term denoting land or property devoted to transportation purposes.
- 3.117. **Roadbed.** The graded portion of a highway prepared as foundation for the pavement structure and shoulders. On divided highways, the depressed median type and the raised median type highways are considered to have 2 roadbeds. Highways with a flush median are considered to have 1 roadbed. Frontage roads are considered separate roadbeds.
- 3.118. **Road Master.** A railroad maintenance official in charge of a division of railway.
- 3.119. **Roadside.** The areas between the outside edges of the shoulders and the right of way boundaries. Unpaved median areas between inside shoulders of divided highways and areas within interchanges are included.
- 3.120. **Roadway.** The portion of the highway (including shoulders) used by the traveling public.
- 3.121. **Sandblasting, Dry.** Spraying blasts of pressurized air combined with sand.
- 3.122. **Sandblasting, Wet.** Spraying blasts of pressurized water combined with sand.
- 3.123. **Shoulder.** That portion of the roadway contiguous with the traffic lanes for accommodation of stopped vehicles for emergency use or for lateral support of base and surface courses.
- 3.124. **Shot Blasting.** Spraying blasts of pressurized air combined with metal shot.
- 3.125. **Sidewalk.** Portion of the right of way constructed exclusively for pedestrian use.
- 3.126. **Slurry Blasting.** Spraying blasts of pressurized air combined with a mixture of water and abrasive media.
- 3.127. **Special Provisions.** Additions or revisions to these standard specifications or special specifications.
- 3.128. **Special Specifications.** Supplemental specifications applicable to the Contract not covered by these standard specifications.
- 3.129. **Specifications.** Directives or requirements issued or made pertaining to the method and manner of performing the work or to quantities and qualities of materials to be furnished under the Contract. References to DMSs, ASTM or AASHTO specifications, or TxDOT bulletins and manuals, imply the latest standard or tentative standard in effect on the date of the bid. The Owner will consider incorporation of subsequent changes to these documents in accordance with Item 4L, "Scope of Work."

- 3.130. **Small Business Enterprise.** A firm (including affiliates) whose annual gross receipts do not exceed the U.S. Small Business Administration's size standards for 4 consecutive years.
- 3.131. **State.** The State of Texas.
- 3.132. **State Holiday.** A holiday authorized by the State Legislature excluding optional state holidays and not listed in Section 1.3.85., "National Holidays." A list of state holidays can be found on the TxDOT's website.
- 3.133. **Station.** A unit of measurement consisting of 100 horizontal feet.
- 3.134. **Subcontract.** The agreement between the Contractor and subcontractor establishing the obligations of the parties for furnishing of materials and performance of the work prescribed in the Contract documents.
- 3.135. **Subcontractor.** An individual, partnership, limited liability company, corporation, or any combination thereof that the Contractor sublets, or proposes to sublet, any portion of a Contract, excluding a material supplier, a hauling firm hauling only from a commercial source to the project, truck owner-operator, wholly-owned subsidiary, or specialty-type businesses such as security companies and rental companies.
- 3.136. **Subsidiary.** Materials, labor, or other elements that because of their nature or quantity have not been identified as a separate item and are included within the items on which they necessarily depend.
- 3.137. **Substructure.** The part of the structure below the bridge seats, but not including bearings, drilled shafts, or piling. Parapets, back walls, wing walls of the abutments, and drainage structures are considered parts of the substructure.
- 3.138. **Superintendent.** The representative of the Contractor who is available at all times and able to receive instructions from the Owner or authorized Owner representatives and to act for the Contractor.
- 3.139. **Superstructure.** The part of the structure above the bridge seats or above the springing lines of arches and including the bearings. Flatwork construction may be considered superstructure.
- 3.140. **Supplemental Agreement.** Written agreement entered into between the Contractor and the Owner and approved by the Surety, covering alterations and changes in the Contract. A supplemental agreement is used by the Owner whenever the modifications include assignment of the Contract from one party to another or other cases as desired by the Owner.
- 3.141. **Surety.** The corporate body or bodies authorized to do business in Texas bound with and for the Contractor for the faithful performance of the work covered by the Contract and

- for the payment for all labor and material supplied in the prosecution of the work.
- 3.142. **Surplus Materials.** Any debris or material related to the Contract but not incorporated into the work.
- 3.143. **Suspension.** Action taken by the Owner, State, or federal government pursuant to regulation that prohibits a person or company from entering into a Contract, or from participating as a subcontractor, or supplier of materials or equipment used in a contract
- 3.144. **Tex –XXX-X.** TxDOT material test methods found on TxDOT’s Construction Division Web Site.
- 3.145. **Traffic Lane.** The strip of roadway intended to accommodate the forward movement of a single line of vehicles.
- 3.146. **Traveled Way.** The portion of the roadway for the movement of vehicles, exclusive of shoulders and auxiliary lanes.
- 3.147. **Truck Owner-Operator.** An individual who owns and operates 1 truck for hire.
- 3.148. **UT-Bridge.** TxDOT-owned software for steel girder erection. Software is available on TxDOT’s website.
- 3.149. **UT-Lift.** TxDOT-owned software for steel girder erection. Software is available on TxDOT’s website.
- 3.150. **Utility. Privately,** publicly, or cooperatively owned lines, facilities, and systems for producing, transmitting, or distributing communications, power, heat, gas, oil, water, waste, or storm water that are not connected with the highway drainage, signal systems, or other products that directly or indirectly serve the public; the utility company.
- 3.151. **Verification Tests.** Tests used to verify accuracy of QC and QA and mixture design testing.
- 3.152. **Water-Abrasive Blasting.** Spraying blasts of pressurized water combined with abrasive media.
- 3.153. **Water Blasting.** Spraying blasts of pressurized water of at least 3,000 PSI.
- 3.154. **Water-Injected Abrasive Blasting.** Abrasive blasting with water injected into the abrasive/air stream at the nozzle.
- 3.155. **Wholly-Owned Subsidiary.** A legal entity owned entirely by the Contractor or subcontractor.

- 3.156. **Work.** The furnishing of all labor, materials, equipment, and other incidentals necessary for the successful completion of the Contract.
- 3.157. **Written Notice.** Written notice is considered to have been duly given if delivered in person to the individual or member to whom it is intended or if sent by regular, registered, or certified mail and delivered to the last known business address; sent by facsimile to the last known phone number; or sent by e-mail to the last known address. The date of the letter will serve as the beginning day of notice. Unclaimed mail or failure to provide current mailing address will not be considered a failure to provide written notice.

Item 2L

Instructions to Bidders

1. Introduction

Instructions to the Contractor in these specifications are generally written in active voice, imperative mood. The subject of imperative sentences is understood to be “the Contractor.” The Owner’s responsibilities are generally written in passive voice, indicative mood. Phrases such as “as approved,” “unless otherwise approved,” “upon approval,” “as directed,” “as verified,” “as ordered,” and “as determined” refer to actions of the Engineer unless otherwise stated, and it is understood that the directions, orders, or instructions to which they relate are within the limitations of and authorized by the Contract.

2. Eligibility of Bidders






Bidders on this project must be prequalified through TxDOT. Refer to TxDOT’s web site for prequalification requirements. Assure prequalification documents are submitted to El Paso County at least 14 days before bid opening. Comply with all technical prequalification requirements in the bid documents.

3. Issuing Bid documents

Bid Documents for prequalified bidders may be obtained at **El Paso County Purchasing Department at (915) 212-0000** Copies will be available at no cost.

At the time Bid Documents are obtained, Bidder must provide a working e-mail address, so as to receive any addenda or clarification issued by the Owner.

The Owner will not issue bid documents if one or more of the following apply:

-  the Bidder is prohibited from rebidding a specific project due to a ~~h~~ error on the original bid documents,
-  the Bidder failed to enter into a Contract on the original award,
-  the Bidder was defaulted or terminated on the original Contract,
-  the Owner terminated for convenience, or
-  the Bidder or a subsidiary or affiliate of the Bidder has received compensation from the Owner to participate in the preparation of the plans or specifications on which the bid or Contract is based.

4. Interpreting Estimated Quantities

The quantities listed in the bid documents are approximate and will be used for the comparison of bids. Payments will be made for actual quantities of work performed in accordance with the Contract.

5. Examining Documents and Work Locations

Examine the bid documents and specified work locations before submitting a bid for the work. Submitting a bid will be considered evidence that the Bidder has performed this examination. Borings, soil profiles, water elevations, and underground utilities shown on the plans were obtained for the use of the Owner in the preparation of plans. This information is provided for the Bidder's information only and the Owner makes no representation as to the accuracy of the data. Be aware of the difficulty of accurately classifying all material encountered in making foundation investigations, the possible erosion of stream channels and banks after survey data have been obtained, and the unreliability of water elevations other than for the date recorded.

Oral explanations, instructions, or consideration for Contractor-proposed changes in the bid documents given during the bidding process are not binding. Only requirements included in the bid documents and Owner-issued addenda are binding. Request explanations of documents at least five (5) days prior to the bid opening.

Immediately notify the Owner of any error, omission, or ambiguity discovered in any part of the bid documents. The Owner will issue addenda when appropriate.



6. Preparing the Bid





Prepare the bid form furnished by the Owner. Informational bid forms printed from the Owner's website will not be accepted.

Specify a unit price in dollars and cents for each regular item, additive alternate item, deductive alternate item or replacement alternate item for which an estimated quantity is given.

When "Working Days" is an item, submit the number of working days to be used to complete the Contract or phases of the Contract.













The Owner will not accept an incomplete bid. A bid that has one or more of the deficiencies listed below is considered incomplete:

-  the bid form was not signed,
-  all certifications were not acknowledged,

-  a regular item, additive alternate item or deductive alternate item is left blank,
-  a regular item and the corresponding replacement alternate item are left blank,
-  the bid form submitted had the incorrect number of items, or
-  all addenda were not acknowledged.

7. Nonresponsive Bid

The Owner will not accept a nonresponsive bid. A bid that has one or more of the deficiencies listed below is considered nonresponsive:

-  The bid was not in the hands of the Letting Official at the time and location specified in the advertisement.
-  A bid was submitted for the same project by a Bidder or Bidders or more of its partners or affiliates.
-  The Bidder failed to acknowledge receipt of all addenda issued.
-  The bid form was signed by a person who was not authorized to bind Bidder or Bidders.
-  The bid guaranty did not comply with the requirements contained in Item.
-  The bid was in a form other than the official bid form issued by Owner.
-  The Bidder modified the bid in a manner that altered the conditions or requirements for work as stated in the bid documents.
-  The Bidder bid more than the maximum or less than the minimum number of allowable working days when working days
-  The Bidder did not attend a specified mandatory pre-bid
-  The Bidder did not meet the requirements of the technical
-  The Bidder did not include a signed State of Texas Child Support Ownership Form.
-  The bidder is not prequalified by TxDOT

8. Submittal of bids

8.1 **Electronic Bids** Electronic bidding is not available

8.2 Printed Bid.

8.2.1 **Bid Form.** Mark all entries in ink. As an alternative to hand writing the unit prices in the bid form, submit a typed bid form.

8.2.2. When regular bid items have corresponding replacement alternate items, select the bid item or group of items to be used for the bid tabulation. Acknowledge all addenda by checking the appropriate box on the addendum acknowledgement page. Provide the complete and correct name of the Bidder submitting the bid. A person authorized to bind the Bidder must sign the bid form. In the case of a joint venture, provide the complete and correct name of all Bidders submitting the bid. In the case of a joint venture, the person signing the bid form must be authorized to bind all joint venture participants.

If a bid form contains both regular items for domestic steel or iron materials and replacement alternate items for foreign steel or iron materials, the Bidder must either:



Submit unit bid prices for domestic items only, or



Submit unit bid prices for both the domestic and foreign items.

8.2.3. **Bid Guaranty.** Provide a bid guaranty in the amount indicated on the bid documents. Use either a guaranty check or a printed bid bond. An electronic bid bond may be used as the guaranty. Ensure the electronic bid bond meets the requirements of Section 2.8.1.2., “Bid Guaranty,” and submit the electronic bid bond with the printed bid.

8.2.4. **Guaranty Check.** Make the check payable to the Owner. The check must be a cashier’s check, money order, or teller’s check drawn by or on a state or national bank, or a state or federally chartered credit union (collectively referred to as “bank”). The check must be dated on or before the date of the bid opening. Postdated checks will not be accepted. The type of check or money order must be indicated on the face of the instrument, except in the case of a teller’s check, and the instrument must be no more than 90 days old. A check must be made payable at or through the institution issuing the instrument; be drawn by a bank and on a bank; or be payable at or through a bank. The Owner will not accept personal checks, certified checks, or other types of money orders.

8.2.5. **Bid Bond.** Use the bid bond form provided by the Owner. Submit the bid bond with the powers of attorney attached, and in the amount specified. The bond must be dated on or before the date of the bid opening, bear the impressed seal of the Surety, and be signed by the Bidder or Bidders and an authorized individual of the Surety. As an alternative for joint venture Bidders, each of the Bidders may submit a separate bid bond completed as outlined in this section. Bid bonds will only be accepted from Sureties authorized to execute a bond under and in accordance with State law.

- 8.2.6. **Submittal of Bid.** Place the completed bid form and the bid guaranty in a sealed envelope marked to indicate the contents.

When submitting by mail or delivery service, place the envelope in another sealed envelope and address as indicated in the official advertisement or in the bid documents. It is the Bidder's responsibility to ensure that the sealed bid arrives at the location described on or before the time and date set for the bid opening. To be accepted, the bid must be in the hands of the Letting Official by that time of opening regardless of the method chosen for delivery.

- 8.2.7. **Revising the Bid Form.** Make desired changes to the bid form in ink and submit the bid to the Letting Official. The Owner will not make revisions to a bid on behalf of a Bidder.

- 8.2.8. **Withdrawing a Bid.** Submit a written request to withdraw a bid before the time and date set for the opening. The Owner will not accept oral requests. A written request must be signed and submitted to the Letting Official with proof of identification. The request must be made by a person authorized to bind the Bidder or Bidders. In the case of joint venture, the Owner will accept a request from any person authorized to bind a party to the joint venture. The Owner may require written delegation of authority to withdraw a bid when the individual sent to withdraw the bid is not authorized to bind the Bidder or Bidders.

9. Opening and Reading of Bids

At the time, date, and location specified in the official advertisement, the Owner will publicly open and read bids.

10. Tabulating Bids

- 10.1. **Official Total Bid Amount.** The Owner will sum the products of the quantities and the unit prices bid in the bid form to determine the official total bid amount, except as provided in Section 2.11., "Consideration of Unit Prices." The official total bid amount is the basis for determining the apparent low Bidder. The total bid amounts will be compared, and the results made public.

- 10.2. **Rounding of Unit Prices.** The Owner will round off all unit bids involving fractional parts of a cent to the nearest one-tenth cent (\$0.001) in determining the amount of the bid as well as computing the amount due for payment of each item under the Contract. For rounding purposes, entries of five-hundredths of a cent (\$0.0005) or more will be rounded up to the next highest tenth of a cent, while entries less than five-hundredths of a cent will be rounded down to the next lowest tenth of a cent.

10.3. **Interpretation of Unit Prices.** The Owner will make a documented determination of the unit bid price if a unit bid price is illegible or conflicting in the case of replacement alternate items. The Owner’s determination will be final.

10.4. **Consideration of Unit Prices.**

10.4.1 **A + B Bidding.** The official total bid amount will be determined by the summation of the Contract amount and the time element. The Owner will use the following formula to make the calculation:

$$A + B1 + B2 + BX + \dots + BT$$

The Contract amount, equal to A in the formula, is determined by the summation of the products of the approximate quantities shown in the bid and the unit bid prices bid. The time element, equal to B1, B2, BX (when phases are included as bid components), and BT (substantial completion of the project when included as a bid component), of the bid is determined by multiplying the number of working days bid to substantially complete the project, or phases, by the daily road-user cost (RUC) provided on the bid documents. When partial days are bid they will be rounded up to the nearest whole day.

The formula above determines the low Bidder and establishes the Contract time.

10.4.1.1 **Additive Alternate Items.** The Camino Real Mobility Authority (CRRMA) will sum the products of the quantities and the unit prices bid for the regular items in the proposal form to determine the total bid amount for the base bid. The official total bid amount will be determined by the summation of the base bid plus a pre-determined order of additive alternate items, not to exceed the CRRMA’s budgeted amount for the Contract. An estimate of the budgeted amount may be shown on the plans.



The Contract will identify the base bid work and additive alternate work to be performed. The CRRMA makes no guarantee that the additive alternate work will be required.

10.4.2 **“Buy America.”** Comply with Buy America in accordance with Article 6.1.1. For a Bidder who proposes to use foreign steel or iron materials to be considered the apparent low Bidder, their total bid must be at least 25% lower than the next lowest bid if that bid proposes to use domestic steel or iron materials.

This requirement does not apply to minimal use of steel or iron materials provided that the total cost of all foreign source items used in the project, as delivered to the project site, is less than \$2,500 or one-tenth-of-one-percent (1/10 of 1%) of the Contract amount, whichever is greater.





11. Consideration of Bid Errors.

The Owner will consider a claim of a bid error by the apparent low Bidder if the following requirements have been met:

-  Submit written notification to the Owner within 5 business days after the date the bid is opened.
-  Identify the items of work involved and include bidding documentation.

The Owner may request clarification of submitted documentation.

The Owner will evaluate the claim of an error by the apparent low Bidder by considering the following:

-  The bid error relates to a material item of work.
-  The bid error amount is a significant portion of the total bid.
-  The bid error occurred despite the exercise of ordinary care.
-  The delay of the proposed work will not impact cost and safety to the public.

Acceptance of the bid error claim by the Owner will result in the rejection of the bid of the apparent low bidder and the Owner may consider the second responsive bid. The erring Contractor will not be allowed to bid the project if it is relet. Rejection of bids due to the Contractor's bid error may result in the application of sanctions by the Owner.

12. Tie Bids

If the official total bid amount for 2 or more Bidders is equal and those bids are the lowest submitted, each tie Bidder will be given an opportunity to withdraw their bid. If 2 or more tie Bidders do not withdraw their bids, the low Bidder will be determined by a coin toss. If all tie Bidders request to withdraw their bids, no withdrawals will be allowed, and the low Bidder will be determined by a coin toss. The Letting Official will preside over the proceedings for the coin toss.




Item 3L

Award and Execution of Contract





1. Award of Contract

The Owner will award, reject, or defer the Contract within 30 days after the opening of the bid. The Owner reserves the right to reject any or all bids and to waive technicalities in the best interest of the Owner.

1.1. Award. The Owner will award the Contract to the low Bidder as determined by Article 2.11., "Tabulating Bids." The Owner may award a Contract to the second lowest Bidder when the following requirements have been met:

-  The low Bidder withdraws its bid.
-  The low Bidder fails to enter into a contract with the Owner after Award
-  The second low Bidder's unit bid prices are reasonable.

1.2. Rejection. The Owner will reject the Contract if:

-  Collusion may have existed among the Bidders. Collusion participants will not be allowed to bid future bids for the same Contract.
-  The low bid is mathematically and materially unbalanced. The Bidder will not be allowed to bid future bids for the same Contract.
-  The lowest bid is higher than the Owner's estimate and re-advertising bids may result in a lower bid.
-  Rejection of the Contract is in the best interest of the Owner.

1.3. **Deferral.** The Owner may defer the award or rejection of the Contract when deferral is in the best interest of the Owner.

2. Rescinding of Award

The Owner reserves the right to cancel the award of any Contract before Contract execution with no compensation due when the cancellation is in the best interest of the Owner. The Owner will return the bid guaranty to the Contractor.

3. Disadvantaged Business Enterprise (DBE)/HISTORICALLY UNDERUTILIZED BUSINESS/Small Business Enterprise (SBE)

Submit all DBE/HUB/SBE information in the time frame specified when required by the bid documents.

4. Execution of Contract

Provide the following within 15 days after written notification of award of the Contract:

- 4.1. Contract. Executed by Contractor and Surety.
- 4.2. Bonds. Executed performance bond and payment bond in the full amount of the Contract price with powers of attorney. Provide bonds in accordance with Table 1. Furnish the payment and performance bonds as a guaranty for the protection of the claimants and the Owner for labor and materials and the faithful performance of the work.

**Table 1
Bonding Requirements**

Contract Amount	Required Bonds
Less than \$25,000	None
\$25,000 to \$100,000	Payment
More than \$100,000	Performance and Payment

- 4.3. **Insurance.** Submit a Certificate of Insurance showing coverages in accordance with Contract requirements.

Insurances must cover the contracted work for the duration of the Contract and must remain in effect until final acceptance. Failure to obtain and maintain insurance for the contracted work may result in suspension of work or default of the Contract. If the insurance expires and coverage lapses for any reason, stop all work until the Owner receives an acceptable Certificate of Insurance.

Provide the Owner with a Certificate of Insurance verifying the types and amounts of coverage shown in Table 2. Provide as additional insured the Camino Real Regional Mobility Authority and City of El Paso, Texas. The Certificate of Insurance must be in a form approved by the Owner. Any Certificate of Insurance provided must be available for public inspection.

**Table 2
Insurance Requirements**

Type of Insurance	Amount of Coverage
Commercial General Liability Insurance	Not Less Than: \$600,000 each occurrence
Business Automobile Policy	Not Less Than: \$600,000 combined single limit
Workers' Compensation	Not Less Than: Statutory
All Risk Builder's Risk Insurance (For building-facilities Contracts only)	100% of Contract Price

By signing the Contract, the Contractor certifies compliance with all applicable laws, rules, and regulations pertaining to workers' compensation insurance. This certification includes all subcontractors. Pay all deductibles stated in the policy. Subcontractors must meet the requirements of Table 2 either through their own

coverage or through the Contractor's coverage.

The Workers' Compensation policy must include a waiver of subrogation endorsement in favor of the Owner.

For building-facilities Contracts, provide All Risk Builder's Risk Insurance to protect the Owner against loss by storm, fire or extended coverage perils on work and materials intended for use on the project including the adjacent structure. Name the Owner under the Lost Payable Clause.

For Contracts with railroad requirements, see project-specific details for additional insurance requirements.

Provide a substitute Surety on the Contract bonds in the original full Contract amount within 15 days of notification if the Surety is declared bankrupt or insolvent, the Surety's underwriting limitation drops below the Contract amount or the Surety's right to do business is terminated by the Owner. The substitute Surety must be authorized by the laws of the State and acceptable to the Owner. Work will be suspended until a substitute Surety is provided. Working day charges will be suspended for 15 days or until an acceptable Surety is provided, whichever is sooner.

The work performed under this section will not be measured or paid for directly but will be subsidiary to pertinent items.

- 4.4. **Railroad Documents.** Provide all required documents for satisfaction of railroad requirements for projects that have work which involves railroad right of way.

5. Failure to Enter Contract

If the Contractor fails to comply with all of the requirements in Article 3.4., "Execution of Contract," the bid guaranty will become the property of the Owner, not as a penalty, but as liquidated damages. The Contractor forfeiting the bid guaranty will not be considered in future bids for the same work unless there has been a substantial change in design of the work.

6. Approval and Execution of Contract

The Contract will be approved and signed under authority of the Owner.

7. Return of Bid Guaranty

The bid guaranty check of the low Bidder will be retained until after the Contract has been rejected or awarded and executed. Bid bonds will not be returned.

8. Beginning of Work

Do not begin work until authorized in writing by the Owner.

When callout work is required, provide a method of contact available from 8 A.M. until 5 P.M. every work day and 24 hr. a day, 7 days a week for projects with emergency mobilization, unless otherwise shown on the plans. The time of notice will be the transmission time of the notice sent, provided orally, or provided in person by the Owner's representative.

Verify all quantities of materials shown on the plans before ordering.

For projects with alternate bid items, the work order will identify the base bid work and additive or deductive alternate work to be performed. The Owner makes no guarantee that the additive or deductive alternate work will be required.

9. Assignment of Contract

Do not assign, sell, transfer, or otherwise dispose of the Contract or any portion rights, title, or interest (including claims) without the approval of the Owner or designated representative. The Owner must deem any proposed assignment justified and legally acceptable before the assignment can take place.

10. Excluded Parties

The Contractor certifies by signing the Contract that the Contractor will not enter into any subcontract with a subcontractor that is debarred or suspended by the Owner or by any state or federal.

Item 4L

Scope of Work

1. **Contract Intent**

The intent of the Contract is to describe the completed work to be performed. Furnish materials, supplies, tools, equipment, labor, and other incidentals necessary for the proper prosecution and completion of the work in accordance with Contract documents.

2. **Preconstruction Conference**

Before starting work, schedule and attend a preconstruction conference with the Owner. Failure to schedule and attend a preconstruction conference is not grounds for delaying the beginning of working day charges.

Work with the Owner to resolve all issues during the course of the Contract. Refer to Article 4.7., "Dispute or Claims Procedure," for all unresolved issues.

3. **Partnering**

The intent of this Article is to promote an environment of trust, mutual respect, integrity, and fair-dealing between the Owner and the Contractor.

Informal partnering does not make use of a facilitator, while formal partnering uses the services of a facilitator (internal or external).

3.1. **Procedures for Partnering Meetings and Format.** Informal partnering is required, unless formal partnering is mutually agreed to instead of the informal partnering.

3.2. **Facilitators.** The facilitator is to act as a neutral party seeking to initiate cooperative working relationships. This individual must have the technical knowledge and ability to lead and guide discussions. Choose either an internal or external facilitator. The facilitator must be acceptable to the Engineer.

3.2.1. **Internal Facilitators.** An Owner or Contractor internal (staff) facilitator may be selected as the facilitator at no additional cost to either party.

3.2.2. **External Facilitators.** A private firm or individual that is independent of the Contractor and the Owner may be selected as the facilitator. Submit the

facilitator's name and estimated fees for approval before contracting with the facilitator.

- 3.3. **Meetings and Arrangements.** Coordinate with the Engineer for meeting dates and times, locations including third party facilities, and other needs and appurtenances, including, but not limited to, audio or visual equipment. Make all meeting arrangements for formal partnering. Use Owner facilities or facilities in the vicinity of the project if available. Submit the estimated meeting costs for approval before finalizing arrangements.

Coordinate facilitator discussions before the partnering meeting to allow the facilitator time to prepare an appropriate agenda. Prepare a list of attendees with job titles and include critical Contractor, subcontractor, and supplier staff in the list. Provide the facilitator the list of attendees and invite the attendees listed.

The Owner will invite and provide a list of attendees that includes, but is not limited to, Owner, TxDOT, other local governments, law enforcement, railroad, and utility representatives.

Participate in additional partnering meetings as mutually agreed.

- 3.4. **Payment.** Expenses for labor, Contractor equipment, or overhead will not be allowed. Markups as prescribed in Article 9.7., "Payment for Extra Work and Force Account Method," will not be allowed.

Informal partnering will be conducted with each party responsible for their own costs.

For formal partnering using internal facilitators, the Contractor will be responsible for arrangements and for expenses incurred by its internal facilitator, including, but not limited to, meals, travel, and lodging. Owner facilitators, if available, may be used at no additional cost.

For formal partnering using external facilitators, submit an invoice to the Engineer for reimbursement. The Owner will reimburse the Contractor for half of the eligible expenses as approved. For external facilitators not approved by the Owner but used at the Contractor's option, the Contractor will be responsible for all costs of the external facilitator.

For meeting facilities and appurtenances, submit an invoice to the Engineer for reimbursement. The Owner will reimburse the Contractor for half of the eligible expenses as approved.

4. Changes in the Work

The Engineer reserves the right to make changes in the work including addition, reduction, or elimination of quantities and alterations needed to complete the Contract. Perform the work as altered. These changes will not invalidate the Contract nor release the Surety. The Contractor is responsible for notifying the sureties of any changes to the Contract.

If the changes in quantities or the alterations do not significantly change the character of the work under the Contract, the altered work will be paid for at the Contract unit price. If the changes in quantities or the alterations significantly change the character of the work, the Contract will be amended by a change order. If no unit prices exist, this will be considered extra work and the Contract will be amended by a change order. Provide cost justification as requested, in an acceptable format. Payment will not be made for anticipated profits on work that is eliminated.

Agree on the scope of work and the basis of payment for the change order before beginning the work. If there is no agreement, the Engineer may order the work to proceed under Article 9.7., "Payment for Extra Work and Force Account Method," or by making an interim adjustment to the Contract. In the case of an adjustment, the Engineer will consider modifying the compensation after the work is performed.

A significant change in the character of the work occurs when:

- ✦ the character of the work for any item as altered differs materially in kind or nature from that in the Contract or
- ✦ a major item of work varies by more or less than 25% from its original Contract quantity.

When the quantity of work to be done under any major item of the Contract is more than 125% of the original quantity stated in the Contract, then either party to the Contract may request an adjustment to the unit price on the portion of the work that is above 125%.

When the quantity of work to be done under any major item of the Contract is less than 75% of the original quantity stated in the Contract, then either party to the Contract may request an adjustment to the unit price. When mutually agreed, the unit price may be adjusted by multiplying the Contract unit price by the factor in Table 1. If an adjusted unit price cannot be agreed upon, the Engineer may determine the unit price by multiplying the Contract unit price by the factor in Table 1.

Table 1
Quantity-Based Price Adjustment Factors

% of Original Quantity	Factor
≥ 50 and < 75	1.05
≥ 25 and < 50	1.15
<	1.25

If the changes require additional working days to complete the Contract, Contract working days will be adjusted in accordance with Item 8, "Prosecution and Progress".

5. Differing Site Conditions

During the progress of the work, differing subsurface or latent physical conditions may be encountered at the site. The 2 types of differing site conditions are defined as:

- ☛ those that differ materially from those indicated in the Contract and
- ☛ unknown physical conditions of an unusual nature ☛ materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the Contract.

Notify the Engineer in writing when differing site conditions are encountered. The Engineer will notify the Contractor when the Owner discovers differing site conditions. Unless directed otherwise, do not work on the affected items and leave the site undisturbed. The Engineer will investigate the conditions and determine whether differing site conditions exist. If the differing site conditions cause an increase or decrease in the cost or number of working days specified for the performance of the Contract, the Engineer will make adjustments, excluding the loss of anticipated profits, in accordance with the Contract. Additional compensation will be made only if the required written notice has been provided.

6. Requests for Additional Compensation

Notify the Engineer in writing of any intent to request additional compensation once there is knowledge of the basis for the request. An assessment of damages is not required to be part of this notice but is desirable. The intent of the written notice requirement is to provide the Owner an opportunity to evaluate the request and to keep an accurate account of the actual costs that may arise.

Minimize impacts and costs.

If written notice is not given, the Contractor waives the right to additional compensation unless the circumstances could have reasonably prevented the

Contractor from knowing the cost impact before performing the work. Notice of the request and the documentation of the costs will not be construed as proof or substantiation of the validity of the request. Submit the request in enough detail to enable the Owner to determine the basis for entitlement, adjustment in the number of working days specified in the Contract, and compensation.

The Owner will not consider fees and interest on requests for additional compensation. Fees include, but are not limited to: preparation, attorney, printing, shipping, and various other fees.



Damages occur when impacts that are the responsibility of the Owner result in additional costs to the Contractor that could not have been reasonably anticipated at the time of letting. Costs of performing additional work are not considered

damages. For Contractor damages, the intent is to reimburse the Contractor for actual expenses arising out of a compensable impact. No profit or markups, other than labor burden, will be allowed. For damages, labor burden will be reimbursed at 35% unless the Contractor can justify higher actual cost. Justification for a higher percentage must be in accordance with the methodology provided by the Owner, submitted separately for project overhead labor and direct labor, and determined and submitted by a Certified Public Accountant (CPA). Submit CPA- prepared labor burden rates directly to the Owner.

If the Contractor requests compensation for delay damages and the delay is determined to be compensable, then standby equipment costs and project overhead compensation will be based on the duration of the compensable delay and will be limited as follows:

6.1. **Standby Equipment Costs.** Payment will be made in accordance with Section 9.7.1.4.3., "Standby Equipment Costs."

6.2. **Project Overhead.** Project overhead is defined as the administrative and supervisory expenses incurred at the work locations. When delay to project completion occurs, reimbursement for project overhead for the Contractor will be made using the following options:

 Reimbursed at 6% (computed as daily cost by dividing 6% of the  Contract amount by the number of original Contract work days), or

 Actual documented costs for the impacted period.

Project overhead for delays impacting subcontractors will be determined from actual documented costs submitted by the Contractor.

Time extensions and suspensions alone will not be justification for reimbursement for project overhead.

6.3 **Home Office Overhead.** The Owner will not compensate the Contractor for home overhead.

7. Dispute or Claims Procedure

The dispute resolution policy promotes a cooperative attitude between the Engineer and Contractor. Emphasis is placed on resolving issues while they are still current, at the project office, and in an informal manner. Open sharing of information is encouraged by all parties involved so the information provided completely and accurately reflects the issues and facts. If information is not shared, decisions may be limited to relying on the documentation that is available for review.

The Owner's goal is to have a dispute settled by the Engineer before elevating it as a claim.

If a dispute cannot be resolved, initiate the Contract claim procedure by filing a Contract claim after the completion of the Contract or when required for orderly performance of the Contract. Submit the claim to the Owner in accordance with state law.

For a claim resulting from enforcement of a warranty period, file the claim no later than one year after expiration of the warranty period. For all other claims, file the claim no later than the date the Owner issues notice to the Contractor that they are in default, the date the Owner terminates the final Contract, or one year after the date of acceptance of the Contract. It is the Contractor's responsibility to submit requests in a timely manner.

Item 5L

Control of Work

1. Authority of Engineer

The Engineer has the authority to observe, test, inspect, approve, and accept the work on behalf of the Owner. The Engineer decides all questions about the quality and acceptability of materials, work performed, work progress, Contract interpretations, and acceptable Contract fulfillment. The Engineer has the authority to enforce and make effective these decisions.

The Engineer acts as a referee in all questions arising under the terms of the Contract. The Engineer's decisions will be final and binding.

2. Plans and Working Drawings

When required, provide working drawings to supplement the plans with all necessary details not included on the Contract plans. Prepare and furnish working drawings in a timely manner and obtain approval, if required, before the beginning of the associated work. For all working drawing submittal requirements, the Engineer may allow electronic and other alternative submission procedures. Have a licensed professional engineer sign, seal, and date the working drawings as indicated in Table 1.

Prepare working drawings using United States standard measures in the English language. The routing of submittals for review and approval will be established at the preconstruction conference. The Contractor is responsible for the accuracy, coordination, and conformity of the various components and details of the working drawings. Owner approval of the Contractor's working drawings will not relieve the Contractor of any responsibility under the Contract. The work performed under this article will not be measured or paid for directly but will be subsidiary to pertinent items.

Table 1

Signature and Approval Requirements for Working Drawings

Working Drawings For		Requires Licensed Professional Engineer's Signature, Seal, and Date	Requires Owner Approval
1. Alternate or optional designs submitted by Contractor		Yes	Yes
2. Supplementary shop and fabrication drawings for structural Items		No unless required on the plans	See applicable Item
3. Contractor-proposed temporary facilities that affect the public safety, not included on the plans		Yes	Yes
4. Form and falsework details	Bridges, retaining walls, and other major structures	Yes unless otherwise shown on the plans	No ¹
	Minor structures	No unless otherwise shown on the plans	No
5. Erection drawings		Yes	No ^{1,2}
6. Contractor-proposed major modifications to traffic control plan		Yes	Yes

1. The Engineer may require that the Contractor have a licensed professional engineer certify that the temporary works are constructed according to the sealed drawings.
2. Approval is required for items spanning over live traffic or where safety of the traveling public is affected, in the opinion of the Engineer.

3. Conformity with Plans, Specifications, and Special Provisions

Furnish materials and perform work in reasonably close conformity with the lines, grades, cross-sections, dimensions, details, gradations, physical and chemical characteristics of materials, and other requirements shown in the Contract (including additional plans for non-site-specific work). Reasonably close conformity limits will be as defined in the respective items of the Contract or, if not defined, as determined by the Engineer. Obtain approval before deviating from the plans and approved working drawings. Do not perform work beyond the lines and grades shown on the plans or any extra work without the Engineer's approval. Work performed beyond the lines and grades shown on the plans or any extra work performed without approval is considered unauthorized and excluded from pay consideration. The Owner will not pay for material rejected due to improper fabrication, excess quantity, or any other reasons within the Contractor's control.

- 3.1. **Acceptance of Defective or Unauthorized Work.** When work fails to meet Contract requirements, but is adequate to serve the design purpose, the Engineer will decide the extent to which the work will be accepted and remain in place. The Engineer will document the basis of acceptance by a letter and may adjust the Contract price.

- 3.2. **Correction of Defective or Unauthorized Work.** When work fails to meet Contract requirements and is inadequate to serve the design purpose it will be considered defective. Correct, or remove and replace, the work at the Contractor's expense, as directed.

The Engineer has the authority to correct or to remove and replace defective or unauthorized work. The cost may be deducted from any money due or to become due to the Contractor.

4. Coordination of Plans, Specifications, and Special Provisions

The specifications, accompanying plans (including additional plans for non-site-specific work), special provisions, change orders, and supplemental agreements are intended to work together and be interpreted as a whole.

Numerical dimensions govern over scaled dimensions. Special provisions govern over plans (including general notes), which govern over standard specifications and special specifications. Job-specific plan sheets govern over standard plan sheets.

However, in the case of conflict between plans (including general notes) and specifications regarding responsibilities for hazardous materials and traffic control in Items 1L through 9L and Item 502, "Barricades, Signs, and Traffic Handling," special provisions govern over standard specifications and special specifications, which govern over the plans.

Notify the Engineer promptly of any omissions, errors, or discrepancies discovered so that necessary corrections and interpretations can be made. Failure to promptly notify the Engineer will constitute a waiver of all claims for misunderstandings or ambiguities that result from the errors, omissions, or discrepancies discovered

5. Cooperation of Contractor

Cooperate with the Engineer. Respond promptly to instructions from the Engineer. Provide all information necessary to administer the Contract.

Designate in writing a competent, English-speaking Superintendent employed by the Contractor. The Superintendent must be experienced with the work being performed and capable of reading and understanding the Contract. Ensure the Superintendent is available at all times and able to receive instructions from the Engineer or authorized Owner representatives and to act for the Contractor. The Engineer may suspend work without suspending working day charges if a Superintendent is not available or does not meet the above criteria.

At the written request of the Engineer, immediately remove from the project any employee or representative of the Contractor or a subcontractor who, in the opinion of the Engineer, does not perform work in a proper and skillful manner or who is disrespectful, intemperate, disorderly, uncooperative, or otherwise objectionable. Do not reinstate these individuals without the written consent of

the Engineer.

Furnish suitable machinery, equipment, and construction forces for the proper prosecution of the work. Provide adequate lighting to address quality requirements and inspection of nighttime work.

The Engineer may suspend the work without suspending working day charges until the Contractor complies with this requirement. All work associated with fulfilling this requirement is subsidiary to the various items of the Contract and no direct compensation will be made.

6. Cooperating with Utilities

Use established safety practices when working near utilities. Consult with the appropriate utilities before beginning work. Notify the Engineer immediately of utility conflicts. The Engineer will decide whether to adjust utilities or adjust the work to eliminate or lessen the conflict. Unless otherwise shown on the plans, the Engineer will make necessary arrangements with the utility owner when utility adjustments are required.

Use work procedures that protect utilities or appurtenances that remain in place during construction. Cooperate with utilities to remove and rearrange utilities to avoid service interruption or duplicate work by the utilities. Allow utilities access to the right of way.

Immediately notify the appropriate utility of service interruptions resulting from damage due to construction activities. Cooperate with utilities until service is restored. Maintain access to active fire hydrants at all times unless approved by the Engineer.

7. Cooperation between Contractors

Cooperate and coordinate with other Contractors working within the limits or adjacent to the limits.

8. Cooperation with Railroads

Plan and prosecute portions of the work involving a railway to avoid interference with or hindrance to the railroad company.

If the work is on railroad right of way, do not interfere with the operation of the railroad company's trains or other property.

8.1. **Project-Specific Information.** Refer to project-specific plan sheets in the Contract for specific information concerning the work to be completed by both the Contractor and the railroad within railroad right of way; railroad right of way locations impacted by construction; percentage of Contract work at each location; train movements at each location; and requirements for railroad insurance, flagging, and Right of Entry (ROE) Agreements.

8.2. **Right of Entry Agreement** (if required). The process for obtaining a fully

executed ROE Agreement will be as follows:

- ✎ The Owner will send the unexecuted ROE Agreement to the Contractor with the unexecuted construction Contract.
- ✎ Partially execute the ROE Agreement and return it to the Department with the required insurance attached.
- ✎ The Owner will coordinate with the railroad company regarding the further execution of the ROE Agreement and associated fees. The Owner will pay any ROE Agreement fees directly to the railroad company.
- ✎ Once the Owner has received the fully-executed ROE Agreement from the railroad company, the Owner will forward the fully-executed ROE Agreement to the Contractor.

9. Construction Surveying

Use Method A unless otherwise specified in the Contract. Upon request, the Engineer will allow the Contractor to copy available earthwork cross-sections, computer printouts or data files, and other information necessary to establish and control work. Maintain the integrity of control points. Preserve all control points, stakes, marks, and right of way markers. Assume cost and responsibility of replacing disturbed control points, stakes, marks, and right of way markers damaged by the Contractor's or its subcontractor operations. If the Owner repairs disturbed control points, stakes, marks, or right of way markers, the cost of repair may be deducted from money due or to become due to the Contractor. Replace right of way markers under the direction of a RPLS. This work will be subsidiary to pertinent items.

The Engineer reserves the right to make measurements and surveys to determine the accuracy of the work and determine pay quantities. The Engineer's measurements and surveys do not relieve the Contractor's responsibility for accuracy of work. Allow the Engineer adequate time to verify the surveying.

- 9.1. **Method A.** The Engineer will set control points for establishing lines, slopes, grades, and centerlines and for providing both vertical and horizontal control. At a minimum, provide a controlling pair of monument points at both the beginning and end of construction project for projects less than 2 miles in length. For projects greater than 2 miles in length, monuments will be set in pairs of 2 at a minimum of 2 miles based on the overall length of the project. Use these control points as reference to perform the work.

Furnish materials, equipment, and qualified workforce necessary for the construction survey work. Place construction points, stakes, and marks at intervals sufficient to control work to established tolerances. Place construction stakes at intervals of no more than 100 ft., or as directed. Place stakes and marks so as not to interfere with normal maintenance operations.

9.2. **Method B.** The Engineer will set adequate control points, stakes, and marks to establish lines, slopes, grades, and centerlines. Furnish additional work, stakes, materials, and templates necessary for marking and maintaining points and lines.

9.3. **Method C.** Set adequate control points, stakes, and marks to establish lines, slopes, grades, and centerlines.

10. Inspection

Inspectors are authorized representatives of the Engineer. Inspectors are authorized to examine all work performed and materials furnished, including preparation, fabrication, and material manufacture. Inspectors inform the Contractor of failures to meet Contract requirements. Inspectors may reject work or materials and may suspend work until any issues can be referred to and decided by the Engineer. Inspectors cannot alter, add, or waive Contract provisions, issue instructions contrary to the Contract, act as foremen for the Contractor, or interfere with the management of the work. Inspection, or lack of inspection, will not relieve the Contractor from obligation to provide materials or perform the work in accordance with the Contract.

Provide safe access to all parts of the work and provide information and assistance to the Engineer to allow a complete and detailed inspection. Give the Engineer sufficient notice to inspect the work. Work performed without suitable inspection, as determined by the Engineer, may be ordered removed and replaced at Contractor's expense. Remove or uncover portions of finished work as directed. Once inspected, restore work to Contract requirements. If the uncovered work is acceptable, the costs to uncover, remove, and replace or make good the parts removed will be paid for in accordance with Article 4.4., "Changes in the Work." If the work is unacceptable, assume all costs associated repair or replacement, including the costs to uncover, remove, and replace or make good the parts removed.

When a government entity, utility, railroad company, or other entity accepts or pays a portion of the Contract, that organization's representatives may inspect the work but cannot direct the Contractor. The right of inspection does not make that entity a party to the Contract and does not interfere with the rights of the parties to the Contract.

11. Final Cleanup

Upon completion of the work, remove litter, debris, objectionable material,

temporary structures, excess materials, and equipment from the work locations. Clean and restore property damaged by the Contractor's operations during the prosecution of the work. Leave the work locations in a neat and presentable condition. This work will not be paid for directly but will be considered subsidiary to items of the Contract.

Remove from the right of way cofferdams, construction buildings, material and fabrication plants, temporary structures, excess materials, and debris resulting from construction. Where work is in a stream, remove debris to the ground line of the bed of the stream. Leave stream channels and rights of way in a neat and presentable condition. Clean structures to the flow line or the elevation of the outfall channel, whichever is higher. Dispose of all excess material in accordance with federal, state, and local regulations.

12. Final Acceptance

12.1. Final acceptance is made when all work is complete and the Engineer, in writing, accepts all work for the work locations in the Contract. Final acceptance relieves the Contractor from further Contract responsibilities.

12.1.1 Work Completed. Work completed must include work for vegetative establishment and maintenance, test, and performance periods and work to meet the requirements of Article 5.11., "Final Cleanup."

12.1.2 Final Inspection. After all work is complete, the Contractor will request a final inspection by the Engineer authorized to accept the work.

The final inspection will be made as soon as possible, and not later than 10 calendar days after the request. No working day charges will be made between the date of request and final inspection.

After the final inspection, if the work is satisfactory, the Engineer will notify the Contractor in writing of the final acceptance of the work. If the final inspection finds any work to be unsatisfactory, the Engineer will identify in writing all deficiencies in the work requiring correction. Correct the deficiencies identified. Working day charges will resume if these deficiencies are not corrected within 7 calendar days, unless otherwise approved. Upon correction, the Engineer will make an inspection to verify that all deficiencies were corrected satisfactorily. The Engineer will provide written notice of the final acceptance.

12.1.3 Final Measurement. Final measurements and pay quantity adjustments may be made after final acceptance.

12.1.4 Removal of Traffic Control Devices. Remove construction traffic control devices and advance warning signs upon final acceptance or as directed.

Item 6L

Control of Materials

1. Source Control

Use only materials that meet Contract requirements. Unless otherwise specified or approved, use new materials for the work. Secure the Engineer's approval of the proposed source of materials to be used before their delivery. Materials can be approved at a supply source or staging area but may be re-inspected in accordance with Article 6.4., "Sampling, Testing, and Inspection."

1.1. **Buy America.** Comply with the latest provisions of Buy America as listed at 23 CFR 635.410. Use steel or iron materials manufactured in the United States except when:

- ✦ the cost of materials, including delivery, does not exceed 0.1% of the total Contract cost or \$2,500, whichever is greater;
- ✦ the Contract contains a replacement alternate item for a foreign source steel or iron product and the Contract is awarded based on the replacement alternate item; or
- ✦ the materials are temporarily installed.

Provide a notarized original of the TxDOT FORM D-9-USA-1 (or equivalent) with the proper attachments for verification of compliance.

Manufacturing is any process that modifies the chemical content, physical shape or size, or final finish of a product. Manufacturing begins with initial melting and mixing and continues through fabrication (cutting, drilling, welding, bending, etc.) and coating (paint, galvanizing, epoxy, etc.).

1.2. **Convict Produced Materials.** Materials produced by convict labor may only be incorporated in the work if such materials have been:

- ✦ produced by convicts who are on parole, supervised release, or
- ✦ probation from prison; or produced in a qualified prison facility.

A "qualified prison facility" means any prison facility in which convicts, during the 12-month period ending July 1, 1987, produced materials for use in federal-aid highway construction projects.

2. Material Quality

Correct or remove materials that fail to meet Contract requirements or that do not produce satisfactory results. Reimburse the Owner for cost incurred if additional sampling and testing is required by a change of source.

Materials not meeting Contract requirements will be rejected, unless the Engineer approves corrective actions. Upon rejection, immediately remove and replace rejected materials.

If the Contractor does not comply with this article, the Owner may have defective material removed and replaced. The cost of testing, removal, and replacement will be deducted from the estimate.

3. Manufacturer Warranties

Transfer to the Owner warranties and guarantees required by the Contract or received as part of normal trade practice.

4. Sampling, Testing, and Inspection

Incorporate into the work only material that has been inspected, tested, and accepted by the Engineer. Remove, at the Contractor's expense, materials from the work locations that are used without prior testing and approval or written permission.

Unless otherwise mutually agreed, the material requirements and standard test methods in effect at the time the proposed Contract is advertised govern. Unless otherwise noted, the Engineer will perform testing at Owner's expense. In addition to facilities and equipment required by the Contract, furnish facilities and calibrated equipment required for tests to control the manufacture of construction items. If requested, provide a complete written statement of the origin, composition, and manufacture of materials.






All materials used are subject to inspection or testing at any time during preparation or use. Material which has been tested and approved at a supply source or staging area may be re-inspected or tested before or during incorporation into the work and rejected if it does not meet Contract requirements. Copies of test results are to be made available upon request. Do not use material that, after approval, becomes unfit for use.

Unless otherwise noted in the Contract, all testing must be performed within the United States and witnessed by the Engineer. If materials or processes require testing outside the contiguous 48 United States, reimburse the Owner for inspection expenses.



5. Plant Inspection and Testing

The Engineer may, but is not obligated to, inspect materials at the acquisition or manufacturing source. Material samples will be obtained and tested for compliance with quality requirements.

If inspection is at the plant, meet the following conditions unless otherwise specified:

-  Cooperate fully and assist the Engineer during the inspection.
-  Ensure the Engineer has full access to all parts of the plant used to manufacture or produce materials.
-  In accordance with pertinent items and the Contract, provide a facility at the plant for use by the Engineer as an office or laboratory.
-  Provide and maintain adequate safety measures and restroom facilities.
-  Furnish and calibrate scales, measuring devices, and other necessary equipment.

The Engineer may provide inspection for periods other than daylight hours if:

-  continuous production of materials for Owner use is necessary due to the production volume being handled at the plant, and
-  the lighting is adequate to allow satisfactory inspection.

6. Storage of Materials

Store and handle materials to preserve their quality and fitness for the work. Store materials so that they can be easily inspected and retested. Place materials under cover, on wooden platforms, or on other hard, clean surfaces as necessary or when directed.

Obtain approval to store materials on the right of way. Storage space off the right of way is at the Contractor's expense.

7. Owner-furnished Material

The Owner will supply materials as shown in the Contract documents. The cost of handling and placing materials supplied by the Owner will not be paid for directly but is subsidiary to the item in which they are used. Assume responsibility for materials upon receipt.

8. Use of Materials Found on the Right of Way

Material found in the excavation areas and meeting the Owner's specifications may be used in the work. This material will be paid for at the Contract bid price for excavation and under the item for which the material is used.

Do not excavate or remove any material from within the right of way that is not within the limits of the excavation without written permission. If excavation is allowed within a right of way project-specific location (PSL), replace the removed material with suitable material at no cost to the Owner as directed.

9. Recycled Materials

The Owner will not allow hazardous wastes, as defined in 30 TAC 335, proposed for recycling to be used on the project. Use nonhazardous recyclable materials (NRMs) only if the specification for the item does not disallow or restrict use.

Determine if NRMs are regulated under 30 TAC 312, 330, 332, 334, or 335, and comply with all general prohibitions and requirements. Use NRMs in accordance with DMS-11000, "Evaluating and Using Nonhazardous Recyclable Materials Guidelines," and furnish all documentation required by that specification.

10. Hazardous Materials

Use materials that are free of hazardous materials as defined in Item 1L, "Abbreviations and Definitions."

Notify the Engineer immediately when a visual observation or odor indicates that materials in required material sources or on sites owned or controlled by the owner may contain hazardous materials. Except when the contract includes bid items for the contractor to remove hazardous materials, the Engineer is responsible for testing and removing or disposing of hazardous materials not introduced by the Contractor on sites owned or controlled by the Owner as indicated below.

The plans will indicate locations where paint on steel is suspected to contain hazardous materials and where regulated asbestos containing materials have been found. The Engineer may suspend work wholly or in part during the testing, removal, or disposition of hazardous materials on sites owned or controlled by the Owner, except in the case of when the contract includes removing and disposing of hazardous materials.

When a visual observation or odor indicates that materials delivered to the work locations by the Contractor may contain hazardous materials, have an approved commercial laboratory test the materials for contamination.

Remove, remediate, and dispose of any of these materials found to be contaminated. Testing, removal, and disposition of hazardous materials introduced onto the work locations by the Contractor will be at the Contractor's expense. Working day charges will not be suspended and extensions of working days will not be granted for activities related to handling hazardous material delivered by the Contractor.

10.1. Painted Steel Requirements. Paint containing hazardous materials will be removed as shown on the plans.

10.1.1. Paint Removed by Third Party. The Owner may provide a third party to remove paint containing hazardous materials where paint must be removed to

perform work or to allow dismantling of the steel.

10.1.2. Paint Removed by the Contractor. This work may only be performed by a firm or company with one of the following certifications:



SSPC-QP2 certification for lead painting operations, or



Certified Lead Firm by the Texas Department of State Health Services.

Maintain certification for the duration of the work. Provide copies of audits or certification if requested.

Comply with worker and public safety regulations, including, but not limited to, OSHA 29 CFR Parts 1910.1025, 1926.62, and 1926.63. Monitor permissible exposure limits in accordance with OSHA requirements.

Remove paint containing hazardous materials from designated areas shown on the plans or as directed. Comply with access limitations shown on the plans.

Provide power hand tools, equipped with high-efficiency particulate air filter vacuums to mechanically remove paint.

Contain, collect, store, transport, and dispose of all waste generated by cleaning operation in accordance with local, state, and federal requirements including 40 CFR 302. Properly characterize and dispose of all wastes.

Manage any hazardous wastes in accordance with regulatory requirements and dispose in a facility authorized to accept such wastes. Provide copies of disposal manifests.

The work performed, materials furnished, equipment, labor, tools, and incidentals will be paid for in accordance with Item 446, "Field Cleaning and Painting Steel."

10.2. **Removal and Disposal of Painted Steel.** Painted steel will be disposed of at a steel recycling or smelting facility unless otherwise shown on the plans. If the paint contains hazardous materials, maintain and make available to the Engineer invoices and other records obtained from the facility showing the received weight of the steel and the facility name.

For steel that is dismantled by unbolting, no paint stripping will be required. Use care to not damage existing paint. When dismantling is performed using flame or saw-cutting methods to remove steel elements coated with paint containing hazardous materials, the plans will show stripping locations.

The work provided, materials furnished, equipment, labor, tools, and incidentals will be paid for in accordance with Item 496, "Removing Structures," and Item 497, "Sale of Salvageable Material."

10.3. **Asbestos Requirements.** The plans will indicate locations or elements where asbestos containing materials (ACM) have been found. At locations where

previously, unknown ACM has been found, the Owner will arrange for abatement by a third party. For work at these locations, notify the Engineer of proposed dates of demolition or removal of structural elements with ACM at least 60 days before work is to begin to allow the Owner enough time to abate the asbestos.

- 10.4. **Work Performed by a Third Party.** When the work for removal of paint or asbestos abatement is to be provided by a third party, coordinate and cooperate with the third party and the Owner. Continue other work detailed on the plans not directly involved in the paint removal or asbestos abatement work. Provide notice to the Owner regarding the progress of the work to allow the Owner enough time to schedule the third-party work.

11. Surplus Materials

Take ownership of surplus materials unless otherwise shown on the plans or as directed by the Engineer. Remove and dispose of materials in accordance with federal, state, and local regulations. If requested, provide an appropriate level of documentation to verify proper disposal. When materials are disposed of on private property, provide written authorization from the property owner for the use of the property for this purpose upon request.

Item 7L






Legal Relations and Responsibilities

1. Safety

- 1.1. **Point of Contact.** Designate a Contractor Safety Point of Contact (CSPOC). The Owner will assign an Owner employee for their point of contact designated as Owner's Safety Point of Contact OSPOC. The CSPOC will ensure that the Contractor's and Subcontractor's employees' use the appropriate personal protection equipment (hard hats, safety vests, protective toe footwear, etc.).

The CSPOC will ensure that crew leaders and foremen (including subcontractors) have attended the required training.

- 1.2. **Safety Preconstruction Meeting.** In cooperation with the Engineer, schedule and attend a safety preconstruction meeting (may be a part of the preconstruction conference in Article 4.2., "Preconstruction Conference." Attendees for this safety preconstruction meeting will be:

-  the Contractor,
-  subcontractors,
-  Owner,
-  local law enforcement, and
-  other personnel that play an active role on the project.

- 1.3. **Public Safety and Convenience.** Ensure the safety and convenience of the public and property as provided in the Contract and as directed by the Engineer. Keep existing roadways open to traffic or construct and maintain detours and temporary structures for safe public travel. Manage construction to minimize disruption to traffic. Maintain the roadway in a good and passable condition, including proper drainage and provide for ingress and egress to adjacent property.

Store all equipment not in use in a manner and at locations that will not interfere with the safe passage of traffic. Provide qualified flaggers in accordance with Item 502.2.2., "Flaggers," for the safety and convenience of the traveling public and workers, as directed.

If the Engineer determines that any of the requirements of this article have not been met, the Engineer may take any necessary corrective action. This will not change the legal responsibilities set forth in the Contract. The cost to the Owner for this work will be deducted from any money due or to become due to the Contractor.

- 1.4. **Use of Blue Warning Lights.** Texas Transportation Code 547.105 authorizes the use of warning lights to promote safety and provides an effective means of gaining the travelling public's attention as they drive in areas where construction crews are present. In order to influence the public to move over when high risk

construction activities are taking place, minimize the utilization of blue warning lights. These lights must be used only while performing work on or near the travel lanes or shoulder where the travelling public encounters construction crews that are not protected by a standard work zone set up such as a lane closure, shoulder closure, or one- way traffic control. Refrain from leaving the warning lights engaged while travelling from one work location to another or while parked on the right of way away from the pavement or a work zone.

- 1.5. **Barricades, Warning and Detour Signs, and Traffic Handling.** Provide, install, move, replace, maintain, clean, and remove all traffic control devices in accordance with the traffic control devices specifications and as shown on the plans and as directed. If details are not shown on the plans, provide devices and work in accordance with the TMUTCD and as directed by the Engineer. When authorized or directed by the Engineer, provide additional signs or traffic control devices not required by the plans.

If an unexpected situation arises that causes the Contractor to believe that the traffic control should be changed, make all reasonable efforts to promptly contact the Engineer. Take prudent actions until the Engineer can be contacted.

The Engineer may authorize or direct in writing the removal or relocation of project limit advance warning signs. When project limit advance warning signs are removed before final acceptance, traffic control in accordance with the TMUTCD may be used for minor operations as approved. Removal or relocation of project limit advance warning signs does not imply final acceptance.

2. Laws to beObserved

Comply with all federal, state, and local laws, ordinances, and regulations that affect the performance of the work. Indemnify and save harmless the Owner and its representatives against any claim arising from violation by the Contractor of any law, ordinance, or regulation.

This Contract is between the Owner and the Contractor only. No person or entity may claim third-party beneficiary status under this Contract or any of its provisions, nor may any non-party sue for personal injuries or property damage under this Contract.

3. Permits, Licenses, and Taxes

Procure all permits and licenses; pay all charges, fees, and taxes; and give all notices necessary and incidental to the due and lawful prosecution of work, except for permits provided by the Owner and as specified in Article 7.6., "Preservation of Cultural and Natural Resources and the Environment".

4. Patented Devices, Material, and Processes

Indemnify and save harmless the Owner from any claims for infringement from the Contractor's use of any patented design, device, material, process, trademark, or copyright selected by the Contractor and used in connection with the work. Indemnify and save harmless the Owner against any costs, expenses, or damages that it may be obliged to pay, by reason of this infringement, at any time during the prosecution or after the completion of the work.

5. Personal Liability of Public Officials

Owner employees are agents and representatives of the Owner and will incur no liability, personal or otherwise, in carrying out the provisions of the Contract or in exercising any power or authority granted under the Contract.

6. Preservation of Cultural and Natural Resources and the Environment

If the Contractor initiates changes to the Contract and the Owner approves the changes, the Contractor is responsible for obtaining clearances and coordinating with the appropriate regulatory agencies.

6.1. **Cultural Resources.** Cease all work immediately if a site, building, or location of historical, archeological, educational, or scientific interest is discovered within the right of way. The site, building, or location will be investigated and evaluated by the Owner.













6.2. **Texas Pollutant Discharge Elimination System (TPDES) Permits and Storm Water Pollution Prevention Plans (SWP3).** The Contractor will file the Notice of Intent (NOI) and the Notice of Termination (NOT) for work shown on the plans in the right of way. Adhere to all requirements of the SWP3.

6.3. **Work in Waters of the United States.** For work in the right of way, the Owner will obtain any required Section 404 permits from the U.S. Army Corps of Engineers before work begins. Adhere to all agreements, mitigation plans, and standard best management practices required by the permit. When Contractor-initiated changes in the construction method changes the impacts to waters of the U.S., obtain new or revised Section 404 permits.

6.4. **Work in Navigable Waters of the United States.** For work in the right of way, the Owner will obtain any required Section 9 permits from the U.S. Coast Guard before work begins. Adhere to the stipulations of the permits and associated best management practices. When Contractor-initiated changes in the construction method changes the impacts to navigable waters of the U.S., obtain new or revised Section 9 permits.

6.5. **Work Over the Recharge or Contributing Zone of Protected Aquifers.** Make every reasonable effort to minimize the degradation of water quality resulting from impacts relating to work over the recharge or contributing zones of protected aquifers, as defined and delineated by the TCEQ. Use best management practices and perform work in accordance with Contract requirements.

6.6. **Project-Specific Locations.** For all project-specific locations (PSLs) on or off the right of way (material sources, waste sites, parking areas, storage areas, field offices, staging areas, haul roads, etc.), signing the Contract certifies compliance with all applicable laws, rules, and regulations pertaining to the preservation of cultural resources, natural resources, and the environment as issued by the following or other agencies:

-  Occupational Safety and Health Administration,
-  Texas Commission on Environmental Quality,
-  Texas Department of Transportation,
-  Texas Historical Commission,
-  Texas Parks and Wildlife Department,
-  Texas Railroad Commission,
-  U.S. Army Corps of Engineers,
-  U.S. Department of Energy,
-  U.S. Department of Transportation,
-  U.S. Environmental Protection Agency,
-  U.S. Federal Emergency Management Agency, and
-  U.S. Fish and Wildlife Service.

All subcontractors must also comply with applicable environmental laws, rules, regulations, and requirements in the Contract. Maintain documentation of certification activities including environmental consultant reports, Contractor documentation on certification decisions and contacts, and correspondence with the resource agencies. Provide documentation upon request.

Obtain written approval from the Engineer for all PSLs in the right of way not specifically addressed on the plans. Prepare an SWP3 for all Contractor facilities, such as asphalt or concrete plants located within public right of way. Comply with all TCEQ permit requirements for portable facilities, such as concrete batch plants, rock crushers, asphalt plants, etc. Address all environmental issues, such as Section 404 permits, wetland delineation, endangered species consultation requirements, or archeological and historic site impacts. Obtain all permits and clearances in advance.

7. Agricultural Irrigation

Regulate the sequence of work and make provisions as necessary to provide for agricultural irrigation or drainage during the work. Meet with the Irrigation District or land owner to determine the proper time and sequence when irrigation demands will permit shutting-off water flows to perform work.

Unless otherwise provided on the plans, the work performed under this article will not be measured or paid for directly but will be subsidiary to pertinent items.

8. Sanitary Provisions

Provide and maintain adequate, neat, and sanitary toilet accommodations for employees, including Owner employees, in compliance with the requirements and regulations of the Texas Department of Health or other authorities with jurisdiction.

9. Abatement and Mitigation of Excessive or Unnecessary Noise

Minimize noise throughout all phases of the Contract. Exercise particular and special efforts to avoid the creation of unnecessary noise impact on adjacent noise sensitive receptors in the placement of non-mobile equipment such as air compressors, generators, pumps, etc. Place mobile and stationary equipment to cause the least disruption of normal adjacent activities.

All equipment associated with the work must be equipped with components to suppress excessive noise and these components must be maintained in their original operating condition considering normal depreciation. Noise-attenuation devices installed by the manufacturer such as mufflers, engine covers, insulation, etc. must not be removed nor rendered ineffectual nor be permitted to remain off the equipment while the equipment is in use.

10. Using Explosives

Do not endanger life or property. The contractor is required to submit a written Blasting Plan if required by the plans or requested by the Engineer. The Owner retains the right to reject the blasting plan. Store all explosives securely and clearly mark all storage places with "DANGER – EXPLOSIVES." Store, handle, and use explosives and highly flammable material in compliance with federal, state, and local laws, ordinances, and regulations. Assume liability for property damage, injury, or death resulting from the use of explosives.

Give at least a 48-hr. advance notice to the appropriate Road Master before doing any blasting work involving the use of electric blasting caps within 200 ft. of any railroad track.

11. Responsibility for Hazardous Materials

Indemnify and save harmless the Owner and its agents and employees from all suits, actions, or claims and from all liability and damages for any injury or damage to any person or property arising from the generation or disposition of hazardous materials introduced by the Contractor on any work done by the Contractor on Owner- owned or controlled sites. Indemnify and save harmless the Owner and its representatives from any liability or responsibility arising out of the Contractor's generation or disposition of any hazardous materials obtained, processed, stored, shipped, etc., on sites not owned or controlled by the Owner. Reimburse the Owner for all payments, fees, or restitution the Owner is required to make as a result of the Contractor's actions.

12. Asbestos Containing Material

In Texas, the Department of State Health Services (DSHS), Asbestos Programs Branch, is responsible for administering the requirements of the National Emissions Standards for Hazardous Air Pollutants, 40 CFR, Subpart M (NESHAP) and the Texas Asbestos Health Protection Rules (TAHPR). Based on EPA guidance and regulatory background information, bridges are considered to be a regulated "facility" under NESHAP. Therefore, federal standards for demolition and renovation apply.

Provide notice to the Owner of demolition or renovation to the structures listed on the plans at least 30 calendar days before initiating demolition or renovation of each structure or load bearing member. Provide the scheduled start and completion date of structure demolition, renovation, or removal.

When demolition, renovation, or removal of load-bearing members is planned for several phases, provide the start and completion dates identified by separate phases.

DSHS requires that notifications be postmarked at least 10 working days before initiating demolition or renovation. If the date of actual demolition, renovation, or removal is changed, the Owner will be required to notify DSHS at least 10 days in advance of the work. This notification is also required when a previously scheduled (notification sent to DSHS) demolition, renovation, or removal is

delayed. Therefore, if the date of actual demolition, renovation, or removal is changed, provide the Engineer, in writing, the revised dates in enough time to allow for the Owner's notification to DSHS to be postmarked at least 10 days in advance of the actual work.

Failure to provide the above information may require the temporary suspension of work under Article 8.4., "Temporary Suspension of Work or Working Day Charges," due to reasons under the control of the Contractor. The Owner retains the right to determine the actual advance notice needed for the change in date to address post office business days and staff availability.

13. Restoring Surfaces Opened by Permission

Do not authorize anyone to make an opening in the highway for utilities, drainage, or any other reason without written permission by the Engineer. Repair all openings as directed by the Engineer. Payment for repair of surfaces opened by permission will be made in accordance with pertinent items or Article 4.4., "Changes in the Work." Costs associated with openings made with Contractor authorization but without Owner approval will not be paid.

14. Protecting Adjacent Property

Protect adjacent property from damage. If any damage results from an act or omission on the part of or on behalf of the Contractor, take corrective action to restore the damaged property to a condition similar or equal to that existing before the damage was done.

15. Responsibility for Damage Claims

Indemnify and save harmless the Owner and its agents and employees from all suits, actions, or claims and from all liability and damages for any injury or damage to any person or property due to the Contractor's negligence in the performance of the work and from any claims arising or amounts recovered under any laws, including workers' compensation and the Texas Tort Claims Act. Indemnify and save harmless the Owner and assume responsibility for all damages and injury to property of any character occurring during the prosecution of the work resulting from any act, omission, neglect, or misconduct on the Contractor's part in the manner or method of executing the work; from failure to properly execute the work; or from defective work or material.

Pipelines and other underground installations that may or may not be shown on the plans may be located within the right of way. Indemnify and save harmless the Owner from any suits or claims resulting from damage by the Contractor's operations to any pipeline or underground installation. Make

available the scheduled sequence of work to the respective utility owners so that they may coordinate and schedule adjustments of their utilities that conflict with the proposed work.

16. Hauling and Loads on Roadways and Structures

Comply with federal and state laws concerning legal gross and axle weights. Except for the designated Interstate system, vehicles with a valid yearly overweight tolerance permit may haul materials to the work locations at the permitted load. Provide copies of the yearly overweight tolerance permits to the Engineer upon request. Construction equipment is not exempt from oversize or overweight permitting requirements on roadways open to the traveling public.

Protect existing bridges and other structures that will remain in use by the traveling public during and after the completion of the Contract. Construction traffic on roadways, bridges, and culverts within the limits of the work, including any structures under construction that will remain in service during and after completion of the Contract is subject to legal size and weight limitations.

Additional temporary fill may be required by the Engineer for hauling purposes for the protection of certain structures. This additional fill will not be paid directly but will be subsidiary.

Replace or restore to original condition any structure damaged by the Contractor's operations.

The Engineer may allow equipment with oversize or non-divisible overweight loads to operate without a permit within the work locations on pavement structures not open to the traveling public. Submit Contractor-proposed changes to traffic control plans for approval, in accordance with Item 502, "Barricades, Signs, and Traffic Handling." The following sections further address overweight allowances. The Owner will make available to the Contractor any available plans and material reports for existing structures.

- 16.1. **Overweight Construction Traffic Crossing Structures.** The Engineer may allow crossing of a structure not open to the public within the work locations, when divisible or non-divisible loads exceed legal weight limitations, including limits for load-posted bridges. Obtain written permission to make these crossings. Submit for approval a structural analysis by a licensed professional engineer indicating that the excessive loads should be allowed. Provide a manufacturer's certificate of equipment weight that includes the weight

distribution on the various axles and any additional parts such as counterweights, the configuration of the axles, or other information necessary for the analysis. Submit the structural analysis and supporting documentation sufficiently in advance of the move to allow for review. Permission may be granted if the Engineer finds that no damage or overstresses in excess of those normally allowed for occasional overweight loads will result to structures that will remain in use after Contract completion. Provide temporary matting or other protective measures as directed.

Schedule loads so that only one vehicle is on any span or continuous unit at any time. Use barricades, fences, or other positive methods to prevent other vehicular access to structures at any time the overweight load is on any span or continuous unit.

- 16.2. **Construction Equipment Operating on Structures.** Cranes and other construction equipment used to perform construction operations that exceed legal weight limits may be allowed on structures. Before any operation that may require placement of equipment on a structure, submit for approval a detailed structural analysis prepared by a licensed professional engineer.

Submit the structural analysis and supporting documentation sufficiently in advance of the use to allow for review and approval. Include all axle loads and configurations, spacing of tracks or wheels, tire loads, outrigger placements, center of gravity, equipment weight, and predicted loads on tires and outriggers for all planned movements, swings, or boom reaches. The analysis must demonstrate that no overstresses will occur in excess of those normally allowed for occasional overweight loads.

- 16.3. **Loads on Structures.** Do not store or stockpile material on bridge structures without written permission. If required, submit a structural analysis and supporting documentation by a licensed professional engineer for review. Permission may be granted if the Engineer finds that no damage or overstresses in excess of those normally allowed for occasional overweight loads will result to structures that will remain in use after Contract completion. Provide temporary matting or other protective measures as directed.

- 16.4. **Hauling Divisible Overweight Loads on Pavement within the Work Locations.** The Engineer may allow divisible overweight loads on pavement structures within the work locations not open to the traveling public. Obtain written approval before hauling the overweight loads. Include calculations to demonstrate that there will be no damage or overstress to the pavement structure.

17. Contractor's Responsibility for Work




Until final acceptance of the Contract, take every precaution against injury or damage to any part of the work by the action of the elements or by any other cause, whether arising from the execution or from the non-execution of the work. Protect all materials to be used in the work at all times, including periods of suspension.

When any roadway or portion of the roadway is in suitable condition for travel, it may be opened to traffic as directed. Opening of the roadway to traffic does not constitute final acceptance.

Repair damage to all work until final acceptance. Repair damage to existing facilities in accordance with the Contract or as directed. Repair damage to existing facilities or work caused by Contractor operations at the Contractor's expense.





Repair work for damage that was not due to the Contractor's operations will not be paid for except as provided below.

17.1. **Reimbursable Repair.** Except for damage to appurtenances listed in Section 7.17.2.1., "Unreimbursed Repair" the Contractor will be reimbursed for repair of damage caused by:

-  motor vehicle, watercraft, aircraft, or railroad-train incident;
-  vandalism; or
-  Acts of God, such as earthquake, tidal wave, tornado, hurricane, or cataclysmic phenomena of nature.

17.2. **Appurtenances.**

17.2.1. **Unreimbursed Repair. Except for destruction (not reusable) due to hurricanes, reimbursement will not be made for repair of damage to the following temporary appurtenances, regardless of cause:**

-  signs,
-  barricades,
-  changeable message signs, and
-  other work zone traffic control devices.

Crash cushion attenuators and guardrail end treatments are the exception to the above listing and are to be reimbursed in accordance with Section 7.17.2.2., "Reimbursed Repair."

For the devices listed in this section, reimbursement may be made for damage due to hurricanes. Where the Contractor retains replaced appurtenances after completion of the project, the Owner will limit the reimbursement to the cost that is above the salvage value at the end of the project.

17.2.2. **Reimbursed Repair.** Reimbursement will be made for repair of damage due to the causes listed in Section 7.17.1., "Reimbursable Repair," to appurtenances (including temporary and permanent crash cushion attenuators and guardrail end treatments).

17.3. **Roadways and Structures.** Until final acceptance, the Contractor is responsible for all work constructed under the Contract. The Owner will not reimburse the Contractor for repair work to new construction, unless the failure or damage is due to one of the causes listed in Section 7.17.1., "Reimbursable Repair."

The Owner will be responsible for the cost for repair of damage to existing roadways and structures not caused by the Contractor's operations.

17.4. **Detours.** The Contractor will be responsible for the cost of maintenance of detours constructed under the Contract, unless the failure or damage is due to one of the causes listed in Section 7.17.1., "Reimbursable Repair." The Engineer may consider failures beyond the Contractor's control when determining reimbursement for repairs to detours constructed. The Owner will be responsible for the cost of maintenance of existing streets and roadways used for detours or handling traffic.

17.5. **Relief from Maintenance.** The Engineer may relieve the Contractor from responsibility of maintenance as outlined in this section. This relief does not release the Contractor from responsibility for defective materials or work or constitute final acceptance.

17.5.1. **Isolated Work Locations.** For isolated work locations, when all work is completed, including work for Article 5.11., "Final Cleanup," the Engineer may relieve the Contractor from responsibility for maintenance.

17.5.2. **Work Except for Vegetative Establishment and Test Periods.** When all work for all or isolated work locations has been completed, including work for Article 5.11., "Final Cleanup," with the exception of vegetative establishment and maintenance periods and test and performance periods, the Engineer may relieve the Contractor from responsibility for maintenance of completed portions of work.

17.5.3. **Work Suspension.** When all work is suspended for an extended period of time, the Engineer may relieve the Contractor from responsibility for maintenance of completed portions of work during the period of suspension.

17.5.4. **When Directed by the Engineer.** The Engineer may relieve the Contractor from the responsibility for maintenance when directed.

17.6. **Basis of Payment.** When reimbursement for repair work is allowed and performed, payment will be made in accordance with pertinent items or Article 4.4., "Changes in the Work."

18. ELECTRICAL REQUIREMENTS

18.1. Definitions.

18.1.1. **Electrical Work.** Electrical work is work performed for:











- ☛ Item 610, "Roadway Illumination Assemblies,"
- ☛ Item 614, "High Mast Illumination Assemblies,"
- ☛ Item 616, "Performance Testing of Lighting Systems,"
- ☛ Item 617, "Temporary Roadway Illumination,"
- ☛ Item 618, "Conduit,"
- ☛ Item 620, "Electrical Conductors,"
- ☛ Item 621, "Tray Cable,"
- ☛ Item 622, "Duct Cable,"
- ☛ Item 628, "Electrical Services,"
- ☛ Item 680, "Highway Traffic Signals,"
- ☛ Item 681, "Temporary Traffic Signals,"
- ☛ Item 684, "Traffic Signal Cables,"
- ☛ Item 685, "Roadside Flashing Beacon Assemblies,"
- ☛ other items that involve either the distribution of electrical ~~power~~ greater than 50 volts or the installation of conduit and duct banks,
- ☛ the installation of conduit and wiring associated with Item ~~624~~, "Ground Boxes," and Item 656, "Foundations for Traffic Control Devices," and
- ☛ the installation of the conduit system for communication and fiber ~~optic~~ cable.

Electrical work does not include the installation of communications or fiber optic cable, or the connections for low voltage and inherently power limited circuits such as electronic or communications equipment. Assembly and placement of

poles, structures, cabinets, enclosures, manholes, or other hardware will not be considered electrical work as long as no wiring, wiring connections, or conduit work is done at the time of assembly and placement.

18.1.2. **Specialized Electrical Work.** Specialized electrical work is work that includes the

electrical service and feeders, sub-feeders, branch circuits, controls, raceways, and enclosures for the following:



-  pump stations,
-  moveable bridges,
-  ferry slips,
-  motor control centers,
-  facilities required under Item 504, "Field Office and Laboratory,"
-  rest area or other public buildings,
-  weigh-in-motion stations,
-  electrical services larger than 200 amps,
-  electrical services with main or branch circuit breaker sizes not shown in the Contract, and
-  any 3-phase electrical power.

18.1.3. **Certified Person.** A certified person is a person who has passed the test from the TxDOT course TRF450, "TxDOT Roadway Illumination and Electrical Installations," or other courses as approved by the Owner. Submit a current and valid certification upon request.

18.1.4. **Licensed Electrician.** A licensed electrician is a person with a current and valid unrestricted master electrical license, or unrestricted journeyman electrical license that is supervised or directed by an unrestricted master electrician. An unrestricted master electrician need not be on the work locations at all times electrical work is being done, but the unrestricted master electrician must approve work performed by the unrestricted journeyman. Licensed electrician requirements by city ordinances do not apply to on state system work.

The unrestricted journeyman and unrestricted master electrical licenses must be issued by the Texas Department of Licensing and Regulation or by a city in Texas with a population of 50,000 or greater that issues licenses based on passing a written test and demonstrating experience.

The Engineer may accept other states' electrical licenses. Submit documentation of the requirements for obtaining that license. Acceptance of the license will be based on sufficient evidence that the license was issued based on:

-  passing a test based on the NEC similar to that used by Texas licensing officials, and
-  sufficient electrical experience commensurate with general standards for an unrestricted master and unrestricted journeyman electrician in the State of Texas.

18.2. **Work Requirements.** The qualifications required to perform electrical work and specialized electrical work are listed in Table 2.

TABLE 2
WORK REQUIREMENTS

TYPE OF WORK	QUALIFICATIONS TO PERFORM WORK
ELECTRICAL WORK WITH PLANS	LICENSED ELECTRICIAN, CERTIFIED PERSON, OR WORKERS DIRECTLY SUPERVISED BY A LICENSED ELECTRICIAN OR CERTIFIED PERSON
ELECTRICAL WORK WITHOUT PLANS	LICENSED ELECTRICIAN OR WORKERS DIRECTLY SUPERVISED BY A LICENSED ELECTRICIAN
SPECIALIZED ELECTRICAL WORK	LICENSED ELECTRICIAN OR WORKERS DIRECTLY SUPERVISED BY A LICENSED ELECTRICIAN
REPLACE LAMPS, STARTING AIDS, AND CHANGING FIXTURES	LICENSED ELECTRICIAN, CERTIFIED PERSON, OR WORKERS DIRECTLY SUPERVISED BY A LICENSED ELECTRICIAN OR CERTIFIED PERSON
CONDUIT IN PRECAST SECTION WITH APPROVED WORKING	INSPECTION BY LICENSED ELECTRICIAN OR CERTIFIED PERSON
CONDUIT IN CAST-IN-PLACE SECTION	INSPECTION BY LICENSED ELECTRICIAN OR CERTIFIED PERSON
ALL OTHER ELECTRICAL WORK (TROUBLESHOOTING, REPAIRS, COMPONENT REPLACEMENT,	LICENSED ELECTRICIAN OR WORKERS DIRECTLY SUPERVISED BY A LICENSED ELECTRICIAN

A licensed electrician must be physically present during all electrical work when Table 2 states that workers are to be directly supervised by a licensed electrician or certified person.

A non-certified person may install conduit in cast-in-place concrete sections if the work is verified by a certified person before concrete replacement.

When the plans specify IMSA certification, the requirements of Table 2 will still apply to the installation of the conduit, ground boxes, electrical services, pole grounding, and electrical conductors installed under Item 620, "Electrical Conductors."

Item 8L

Prosecution and Progress

1. Prosecution of Work

Unless otherwise shown in the Contract, begin work within 30 calendar days after the authorization date to begin work as shown on the Notice to Proceed. Prosecute the work continuously to completion within the working days specified. Unless otherwise shown in the Contract documents, work may be prosecuted in concurrent phases if no changes are required in the traffic control plan or if a revised traffic control plan is approved. Notify the Engineer at least 24 hr. before beginning work or before beginning any new operation. Do not start new operations to the detriment of work already begun. Minimize interference to traffic.

2. Subcontracting

Do not sublet any portion of a construction Contract without the Engineer's written approval. A subcontract does not relieve any responsibility under the Contract and bonds. Ensure that all subcontracted work complies with all governing labor provisions.

The Contractor certifies by signing the Contract that the Contractor will not enter into any subcontract with a subcontractor that is debarred or suspended by the Owner, or any state or federal agency.

For federally funded Contracts, ensure the required federal documents are physically attached to each subcontract agreement including all tiered subcontract agreements.

For all DBE/HUB/SBE subcontracts including all tiered DBE/HUB/SBE subcontracts, submit a copy of the executed subcontract agreement.

Submit a copy of the executed non-DBE subcontracts including all tiered non-DBE subcontracts when requested.

- 2.1. **Construction Contracts.** Perform work with own organization on at least 30% of the total original Contract cost (25% if the Contractor is an SBE on a wholly State or local funded Contract) excluding any items determined to be specialty items. Specialty items are those that require highly specialized knowledge, abilities, or equipment not usually available in the contracting firm expected to bid on the proposed Contract as a whole.

Specialty items will be shown on the plans or as directed by the Engineer. Bid cost of specialty items performed by subcontractors will be deducted from the total original Contract cost before computing the required amount of work to be performed by

the Contractor's own organization. The term "perform work with own organization" includes only:

- workers employed and paid directly by the Contractor or wholly owned subsidiary;
- equipment owned by the Contractor or wholly owned subsidiary;
- rented or leased equipment operated by the Contractor's employees or wholly owned subsidiary's employees;
- materials incorporated into the work if the majority of the value of the work involved in incorporating the material is performed by the Contractor's own organization, including a wholly owned subsidiary's organization; and
- labor provided by staff leasing firms licensed under Chapter 91 of the Texas Labor Code for nonsupervisory personnel if the Contractor or wholly owned subsidiary maintains direct control over the activities of the leased employees and includes them in the weekly payrolls.

When staff leasing firms provide materials or equipment, they are considered subcontractors. In these instances, submit staff leasing firms for approval as a subcontractor. Copies of cancelled checks and certified statements may be required to verify compliance with the requirements of this section.

- 2.2. **Payments to Subcontractors.** Report payments for DBE/HUB/SBE subcontracts including tiered DBE/HUB/SBE subcontracts in the manner as prescribed by the Owner.
- 2.3. **Payment Records.** Make payment records, including copies of cancelled checks, available for inspection by the Owner. Submit payment records upon request. Retain payment records for a period of 3 yr. following completion of the Contract work or as specified by the Owner.

Failure to submit this information to the Engineer by the 20th day of each month will result in the Owner taking actions, including, but not limited to, withholding estimates and suspending the work. This work will not be measured or paid for directly but will be subsidiary to pertinent items.

3. **Computation of Contract Time for Completion**

Upon request, the Engineer will provide the conceptual time determination schedule to the Contractor for informational purposes only. The schedules assume generic resources, production rates, sequences of construction and average weather conditions based on historic data. The Owner will not adjust the number of working days and milestones, if any, due to differences in opinion regarding any assumptions made in the preparation of the schedule

or for errors, omissions, or discrepancies found in the Owner's conceptual time schedule.

The number of working days is established by the Contract. Working day charges will begin 30 calendar days after the date of the written authorization to begin work. Working day charges will continue in accordance with the Contract. The Engineer may consider increasing the number of working days under extraordinary circumstances.

- 3.1. **Working Day Charges.** Working days will be charged in accordance with Section 8.3.1.4., "Standard Workweek," unless otherwise shown in the Contract documents. Working days will be computed and charged in accordance with one of the following:
 - 3.1.1. **Five-Day Workweek.** Working days will be charged Monday through Friday, excluding national holidays, regardless of weather conditions or material availability. The Contractor has the option of working on Saturdays. Provide sufficient advance notice when scheduling work on Saturdays. Work on Sundays and national holidays will not be permitted without written permission. If work requiring an Inspector to be present is performed on a Saturday, Sunday, or national holiday, and weather and other conditions permit the performance of work for 7 hr. between 7 A.M. and 6 P.M., a working day will be charged.
 - 3.1.2. **Six-Day Workweek.** Working days will be charged Monday through Saturday, excluding national holidays, regardless of weather conditions or material availability. Work on Sundays and national holidays will not be permitted without written permission. If work requiring an Inspector to be present is performed on a Sunday or a national holiday, and weather or other conditions permit the performance of work for 7 hr. between 7 A.M. and 6 P.M., a working day will be charged.
 - 3.1.3. **Seven-Day Workweek.** Working days will be charged Monday through Sunday, excluding national holidays, regardless of weather conditions or material availability. Work on national holidays will not be permitted without written permission. If work is performed on any of these holidays requiring an Inspector to be present, and weather or other conditions permit the performance of work for 7 hr. between 7 A.M. and 6 P.M., a working day will be charged.
 - 3.1.4. **Standard Workweek.** Working days will be charged Monday through Friday, excluding national or state holidays, if weather or other conditions permit the performance of the principal unit of work underway, as determined by the Engineer, for a continuous period of at least 7 hr. between 7 A.M. and 6 P.M., unless otherwise shown in the Contract. The Contractor has the option of working on Saturdays or state holidays. Provide sufficient advance notice to the Engineer when scheduling work on Saturdays. Work on Sundays and

national holidays will not be permitted without written permission. If work requiring an Inspector to be present is performed on a Saturday, Sunday, or holiday, and weather or other conditions permit the performance of work for 7 hr. between 7 A.M. and 6 P.M., a working day will be charged.

- 3.1.5. **Calendar Day.** Working days will be charged Sunday through Saturday, including all holidays, regardless of weather conditions, material availability, or other conditions not under the control of the Contractor.
- 3.1.6. **Other.** Working days will be charged as shown in the Contract documents.
- 3.2. **Restricted Work Hours.** Restrictions on Contractor work hours and the related definition for working day charges are as prescribed in this article unless otherwise shown in the Contract documents.
- 3.3. **Nighttime Work.** Nighttime work is allowed only when shown in the Contract documents or as directed. Nighttime work is defined as work performed from 30 min. after sunset to 30 min. before sunrise.
 - 3.3.1. **Five-, Six-, and Seven-Day Workweeks.** Nighttime work that extends past midnight will be assigned to the following day for the purposes of approval for allowing work on Sundays or national holidays.
 - 3.3.2. **Standard Workweek.**
 - 3.3.2.1. **Nighttime Work Only.** When nighttime work is allowed or required, and daytime work is not allowed, working day charges will be made when weather and other conditions permit the performance of the principal unit of work underway, as determined by the Engineer, for a continuous period of at least 7 hr. for the nighttime period, as defined in Section 8.3.3., "Nighttime Work," unless otherwise shown in the Contract documents.
 - 3.3.2.2. **Nighttime Work and Daytime Work Requiring Inspector.** When nighttime work is performed or required, and daytime work is allowed, working day charges will be made when weather and other conditions permit the performance of the principal unit of work underway, as determined by the Engineer, for a continuous period of at least 7 hr. for the nighttime period, as defined in Section 8.3.3., "Nighttime Work," or for a continuous period of at least 7 hr. for the alternative daytime period unless otherwise shown in the Contract documents. Only one day will be charged for each 24-hr. time period. When the Engineer agrees to restrict work hours to the nighttime period only, working day charges will be in accordance with Section 8.3.3.2.1., "Nighttime Work Only."
- 3.4. **Time Statements.** The Engineer will furnish the Contractor a monthly time statement. Review the monthly time statement for correctness. Report

protests in writing, no later than 30 calendar days after receipt of the time statement, providing a detailed explanation for each day protested. Not filing a protest within 30 calendar days will indicate acceptance of the working day charges and future consideration of that statement will not be permitted.

4. Temporary Suspension of Work or Working Day Charges

The Engineer may suspend the work, wholly or in part, and will provide notice and reasons for the suspension in writing. Suspend and resume work only as directed in writing.

When part of the work is suspended, the Engineer may suspend working day charges only when conditions not under the control of the Contractor prohibit the performance of critical activities. When all of the work is suspended for reasons not under the control of the Contractor, the Engineer will suspend working day charges.

5. Project Schedules

Prepare, maintain, and submit project schedules. Project schedules are used to convey the Contractor's intended work plan to the Owner. Prepare project schedules with a level of effort sufficient for the work being performed. Project schedules will not be used as a basis to establish the amount of work performed or for the preparation of the progress payments.

5.1. **Project Scheduler.** Designate an individual who will develop and maintain the progress schedule. The Project Scheduler will be prepared to discuss, in detail, the proposed sequence of work and methods of operation, and how that information will be communicated through the Progress Schedule at the Preconstruction Meeting. This individual will also attend the project meetings and make site visits to prepare, develop, and maintain the progress schedules.

5.2. **Construction Details.** Before starting work, prepare and submit a progress schedule based on the sequence of work and traffic control plan shown in the Contract documents. At a minimum, prepare the progress schedule as a Bar Chart or Critical Path Method (CPM), as shown on the plans. Include all planned work activities and sequences and show Contract completion within the number of working days specified. Incorporate major material procurements, known utility relocations, and other activities that may affect the completion of the Contract in the progress schedule. Show a beginning date, ending date, and duration in whole working days for each activity. Do not use activities exceeding 20 working days, except for agreed upon activities. Show an estimated production rate per working day for each work activity.

5.3. **Schedule Format.** Format all project schedules according to the following:

- 🏗️ Begin the project schedule on the date of the start of Contract or start of activities affecting work on the project;
- 🏗️ Show the sequence and interdependence of activities required to complete performance of the work. If using a CPM schedule, show a predecessor and a successor for each activity; and
- 🏗️ Ensure all work sequences are logical and show a coordinated plan of work.

CPM schedules must also include:

- 🏗️ Clearly and accurately identify the critical path as the longest continuous path;
- 🏗️ Provide a legend for all abbreviations, run date, data date, project date, and project completion date in the title block of each schedule submittal; and
- 🏗️ Through the use of calendars, incorporate seasonal weather into the schedule for work (e.g., earthwork, concrete paving, structures, asphalt, drainage, etc.) that may be influenced by temperature or precipitation. Also, incorporate non-work periods such as holidays, weekends, or other non-work days as identified in the Contract.

5.4. **Activity Format.** For each activity on the project schedule provide:

- 🏗️ A concise description of the work represented by the activity;
- 🏗️ An activity duration in whole working days;
- 🏗️ Code activities so that organized plots of the schedule may be produced.

CPM schedules must also include the quantity of work and estimated production rate for major items of work. Provide enough information for review of the work being performed.

5.5. **Schedule Types.**

5.5.1. **Bar Chart.** Seven calendar days before the preconstruction meeting, prepare and submit a hard copy of the schedule using the bar chart method.

5.5.1.1. **Progress Schedule Reviews.** Update the project schedule and submit a hard copy when changes to the schedule occur or when requested.

5.5.2. **Critical Path Method.** Prepare and submit the schedule using the CPM.

5.5.2.1. **Preliminary Schedule.** Seven calendar days before the preconstruction meeting, submit both the plotted and electronic copies of the project schedule showing work to be performed within the first 90 calendar days of the project.

5.5.2.2. **Baseline Schedule.** The baseline schedule will be considered the Contractor's plan to successfully construct the project within the time frame and construction sequencing indicated in the Contract. Submit both plotted and electronic copies of the baseline schedule. Submit 2 plots of the schedule: one organized with the activities logically grouped using the activity coding; and the other plot showing only the critical path determined by the longest path, not based on critical float.

Develop and submit the baseline schedule for review within the first 45 calendar days of the project unless the time for submission is extended.

5.5.2.2.1. **Review.** Within 15 calendar days of receipt of the schedule, the Engineer will evaluate, and inform the Contractor if the schedule has been accepted. If the schedule is not accepted, the Engineer will provide comments to the Contractor for incorporation. Provide a revised schedule based on the Engineer's comments, or reasons for not doing so within 10 calendar days. The Engineer's review and acceptance of the project schedule is for conformance to the requirements of the Contract documents only and does not relieve the Contractor of any responsibility for meeting the interim milestone dates (if specified) or the Contract completion date. Review and acceptance does not expressly or by implication warrant, acknowledge, or admit the reasonableness of the logic or durations of the project schedule. If the Contractor fails to define any element of work, activity, or logic and the Engineer's review does not detect this omission or error, the Contractor is responsible for correcting the error or omission.





Submit an acceptable baseline schedule before the 90th calendar day of the project unless the time for submission is extended.

5.5.2.3. **Progress Schedule.** Maintain the project schedule for use by both the Contractor and the Engineer. Submit both the plotted and electronic copy as it will become an as-built record of the daily progress achieved on the project. If continuous progress of an activity is interrupted for any reason except non-work periods (such as holidays, weekend, or interference from temperature or precipitation), then the activity will show the actual finish date as that date of the start of the interruption and the activity will be broken into a subsequent activity (or activities, based on the number of interruptions) similarly numbered with successive alpha character as necessary. The original duration of the subsequent activity will be that of the remaining duration of the original activity. Relationships of the subsequent activity will match those of the original activity so that the integrity of the project schedule logic is maintained. Once established, the original durations and actual dates of all activities must remain unchanged. Revisions to the schedule may be made as necessary.

The project schedule must be revised when changes in construction phasing and sequencing occur or other changes that cause deviation from the original

project schedule occur. Any revisions to the schedule must be listed in the monthly update narrative with the purpose of the revision and description of the impact on the project schedule's critical path and project completion date. Create the schedule revision using the latest update before the start of the revision.

Monthly updating of the project schedule will include updating of:





-  The actual start dates for activities started;
-  The actual finish dates for activities completed;
-  The percentage of work completed and remaining duration for activity started but not yet completed; and
-  The calendars to show days actual work was performed on the work activities.

The cut-off day for recording monthly progress will be the last day of each month. Submit the updated project schedule no later than the 20th calendar day of the following month. The Engineer will evaluate the updated schedule within 5 calendar days of receipt and inform the Contractor if it has or has not been accepted. If the schedule is not accepted, the Engineer will provide comments to the Contractor for incorporation. Provide a revised schedule based on the Engineer's comments, or reasons for not doing so within 5 calendar days.

Provide a brief narrative in a bulleted statement format for major items that have impacted the schedule. Notify the Engineer if resource-leveling is being used.

- 5.5.2.3.1. **Project Schedule Summary Report (PSSR).** When shown on the plans, provide the PSSR instead of the narrative required in Section 8.5.5.2.3., "Progress Schedule." The PSSR includes a listing of major items that have impacted the schedule as well as a summary of progress in days ahead or behind schedule. Include an explanation of the project progress for the period represented on the form provided by the Owner.
- 5.5.3. **Notice of Potential Time Impact.** Submit a "Notice of Potential Time Impact" when a Contract time extension or adjustment of milestone dates may be justified or when directed. Failure to provide this notice in the time frames outlined above will compromise the Owner's ability to mitigate the impacts and the Contractor forfeits the right to request a time extension or adjustment of milestone dates unless the circumstances are such that the Contractor could not reasonably have had knowledge of the impact at the time.
- 5.5.4. **Time Impact Analysis.** When directed, provide a time impact analysis. A time impact analysis is an evaluation of the effects of impacts on the project. A time

impact analysis consists of the following steps:

-  **Step 1.** Establish the status of the project immediately before impact.
-  **Step 2.** Predict the effect of the impact on the schedule update used in Step 1.
-  **Step 3.** Track the effects of the impact on the schedule during its occurrence.
-  **Step 4.** Establish the status of the project after the impact's effect has ended and provide details identifying any mitigating actions or circumstances used to keep the project ongoing during the impact period.

Determine the time impact by comparing the status of the work before the impact (Step 1) to the prediction of the effect of the impact (Step 2), if requested, and to actual effects of the impact once it is complete (Step 4). Unless otherwise approved, Steps 1, 3, and 4, must be completed before consideration of a Contract time extension or adjustment of a milestone date will be provided. Time extensions will only be considered when delays that affect milestone dates or the Contract completion date are beyond the Contractor's control. Submit Step 4 no later than 15 calendar days after the impact's effects

have ended or when all the information on the effect has been realized.

Submit one electronic backup copy of the complete time impact analysis and a copy of the full project schedule incorporating the time impact analysis. If the project schedule is revised after the submittal of a time impact analysis, but before its approval, indicate in writing the need for any modification to the time impact analysis.

The Engineer will review the time impact analysis upon completion of step 4. If this review detects revisions or changes to the schedule that had not been performed and identified in a narrative, the Engineer may reject the time impact analysis. If the Engineer is in agreement with the time impact analysis, a change order may be issued to grant additional working days, or to adjust interim milestones. Once a change order has been executed, incorporate the time impact analysis into the project schedule. The time impact analysis may also be used to support the settlement of disputes and claims. Compensation related to the time impact analysis may be provided at the completion of the analysis or the completion of the project to determine the true role the impact played on the final completion.

The work performed under this article will not be measured or paid for directly but will be subsidiary to pertinent items.

6. Failure to Complete Work on Time

The time established for the completion of the work is an essential element of the Contract. If the Contractor fails to complete the work within the number of working days specified, working days will continue to be charged. Failure to complete the Contract, a separate work order, or callout work within the number of working days specified, including any approved additional working days, will result in liquidated damages for each working day charged over the number of working days specified in the Contract. The dollar amount specified in the Contract will be deducted from any money due or to become due the Contractor for each working day the Contract remains incomplete. This amount will be assessed not as a penalty but as liquidated damages.

7. Default of the Contract

7.1. Declaration of Default. The Engineer may declare the Contractor to be in default of the Contract if the Contractor:

- ✘ fails to begin the work within the number of days specified,
- ✘ fails to prosecute the work to assure completion within the number of days specified,
- ✘ is uncooperative, disruptive or threatening,
- ✘ fails to perform the work in accordance with the Contract requirements,
- ✘ neglects or refuses to remove and replace rejected materials or unacceptable work,
- ✘ discontinues the prosecution of the work without the Engineer's approval,
- ✘ makes an unauthorized assignment,
- ✘ fails to resume work that has been discontinued within a reasonable number of days after notice to do so,
- ✘ fails to conduct the work in an acceptable manner, or
- ✘ commits fraud or other unfixable conduct as determined by the Owner.

If any of these conditions occur, the Engineer will give notice in writing to the Contractor and the Surety of the intent to declare the Contractor in default. If the Contractor does not proceed as directed within 10 days after the notice, the Owner will provide written notice to the Contractor and the Surety to declare the Contractor to be in default of the Contract. The Owner will also provide written notice of default to the Surety. If the Contractor provides the Owner written notice of voluntary default of the Contract, the Owner may waive the 10-day notice of intent to declare the Contractor in default and immediately provide

written notice of default to the Contractor and the Surety. Working day charges will continue until completion of the Contract. The Owner may suspend work in accordance with Section 8.4., "Temporary Suspension of Work or Working Day Charges," to investigate apparent fraud or other unfixable conduct before defaulting the Contractor. The Contractor may be subject to sanctions under the state and/or federal laws and regulations.

The Owner will determine the method used for the completion of the remaining work as follows:

- ✚ **Contracts without Performance Bonds.** The Owner will determine the most expeditious and efficient way to complete the work and recover damages from the Contractor.
- ✚ **Contracts with Performance Bonds.** The Owner will, without violating the Contract, demand that the Contractor's Surety complete the remaining work in accordance with the terms of the original Contract. A completing Contractor will be considered a subcontractor of the Surety. The Owner reserves the right to approve or reject proposed subcontractors. Work may resume after the Owner receives and approves Certificates of Insurance as required in Section 3.4.3., "Insurance." Certificates of Insurance may be issued in the name of the completing Contractor. The Surety is responsible for making every effort to expedite the resumption of work and completion of the Contract. The Owner may complete the work using any or all materials at the work locations that it deems suitable and acceptable. Any costs incurred by the Owner for the completion of the work under the Contract will be the responsibility of the Surety.

From the time of notification of the default until work resumes (either by the Surety or the Owner), the Owner will maintain traffic control devices and will do any other work it deems necessary, unless otherwise agreed upon by the Owner and the Surety. All costs associated with this work will be deducted from money due to the Surety.

The Owner will hold all money earned but not disbursed by the date of default. Upon resumption of the work after the default, all payments will be made to the Surety. All costs and charges incurred by the Owner as a result of the default, including the cost of completing the work under the Contract, costs of maintaining traffic control devices, costs for other work deemed necessary, and any applicable liquidated damages or disincentives will be deducted from money due the Contractor for completed work. If these costs exceed the sum that would have been payable under the Contract, the Surety will be liable and pay the Owner the balance of these costs in excess of the Contract price. In case the costs incurred by the Owner are less than the amount that would have been payable under the Contract if the work had been completed by the

Contractor, the Owner will be entitled to retain the difference.

Comply with Article 8.2., "Subcontracting," and abide by the DBE/HUB/SBE commitments previously approved by the Owner.

No markups as defined in Article 9.7., "Payment for Extra Work and Force Account Method," will be allowed for the Surety.

7.2. **Wrongful Default.** Submit a written request to the Owner within 14 calendar days of receipt of the notice of default for consideration of wrongful default.

The Owner will determine if the Contractor has been wrongfully defaulted, and will proceed with the following:

- ✚ If the Owner determines the default is proper, the default will ~~not~~ if the Contractor is in disagreement, the Contractor may file a claim in accordance with Article 4.7., "Dispute or Claims Procedure."
- ✚ If the Owner determines it was a wrongful default, the Owner ~~will~~ terminate the Contract for convenience, in accordance with Article 8.8., "Termination of the Contract."

8. Termination of the Contract

The Owner may terminate the Contract in whole or in part whenever:

- ✚ the Contractor is prevented from proceeding with the work as a ~~direct~~ result of an executive order of the President of the United States or the Governor of the State;
- ✚ the Contractor is prevented from proceeding with the work due to a national emergency, or when the work to be performed under the Contract is stopped, directly or indirectly, because of the freezing or diversion of materials, equipment or labor as the result of an order or a proclamation of the President of the United States;
- ✚ the Contractor is prevented from proceeding with the work due to a order of any federal authority;
- ✚ the Contractor is prevented from proceeding with the work by ~~an~~ a preliminary, special, or permanent restraining court order where the issuance of the restraining order is primarily caused by acts or omissions of persons or agencies other than the Contractor; or
- ✚ the Owner determines that termination of the Contract is in the ~~best~~ interest of the Owner or the public. This includes, but is not limited to, the discovery of significant hazardous material problems, right of way acquisition problems, or utility conflicts that would cause substantial delays or expense to the Contract.

8.1. **Procedures and Submittals.** The Engineer will provide written notice to the Contractor of termination specifying the extent of the termination and the effective date. Upon notice, immediately proceed in accordance with the following:

stop work as specified in the notice;

- 🏗️ place no further subcontracts or orders for materials, services, or facilities, except as necessary to complete a critical portion of the Contract, as approved;
- 🏗️ terminate all subcontracts to the extent they relate to the work terminated;
- 🏗️ complete performance of the work not terminated;
- 🏗️ settle all outstanding liabilities and termination settlement proposals resulting from the termination for public convenience of the Contract;
- 🏗️ create an inventory report, including all acceptable materials and products obtained for the Contract that have not been incorporated in the work that was terminated (include in the inventory report a description, quantity, location, source, cost, and payment status for each of the acceptable materials and products); and
- 🏗️ take any action necessary, or that the Engineer may direct, for the protection and preservation of the materials and products related to the Contract that are in the possession of the Contractor and in which the Owner has or may acquire an interest.

8.2. **Settlement Provisions.** Within 60 calendar days of the date of the notice of termination, submit a final termination settlement proposal, unless otherwise approved. The Engineer will prepare a change order that reduces the affected quantities of work and adds acceptable costs for termination. No claim for loss of anticipated profits will be considered. The Owner will pay reasonable and verifiable termination costs including:

- 🏗️ all work completed at the unit bid price and partial payment for incomplete work;
- 🏗️ the percentage of Item 500, "Mobilization," equivalent to the percentage of work complete or actual cost that can be supported by cost records, whichever is greater;
- 🏗️ expenses necessary for the preparation of termination settlement proposals and support data;
- 🏗️ the termination and settlement of subcontracts;
- 🏗️ storage, transportation, restocking, and other costs incurred necessary for the preservation, protection, or disposition of the termination inventory; and
- 🏗️ other expenses acceptable to the Owner.

Item 9L

Measurement and Payment

1. Measurement of Quantities

The Engineer will measure all completed work using United States standard measures, unless otherwise specified.

1.1. **Linear Measurement.** Unless otherwise specified, all longitudinal measurements for surface areas will be made along the actual surface of the roadway and not horizontally. No deduction will be made for structures in the roadway with an area of 9 sq. ft. or less. For all transverse measurements for areas of base courses, surface courses, and pavements, the dimensions to be used in calculating the pay areas will be the neat dimensions and will not exceed those shown on the plans, unless otherwise directed.


1.2. **Volume Measurement.** Transport materials measured for payment by volume in approved hauling vehicles. Display a unique identification mark on each vehicle. Furnish information necessary to calculate the volume capacity of each vehicle. The Engineer may require verification of volume through weight measurement. Use body shapes that allow the capacity to be verified. Load and level the load to the equipment's approved capacity. Loads not hauled in approved vehicles may be rejected.


1.3. **Weight Measurement.** Transport materials measured for payment by weight or truck measure in approved hauling vehicles. Furnish certified measurements, tare weights, and legal gross weight calculations for all haul units. Affix a permanent, legible number on the truck and on the trailer to correspond with the certified information. Furnish certified weights of loaded haul units transporting material if requested.

The material will be measured at the point of delivery. The cost of supplying these volume and weight capacities is subsidiary to the pertinent item. For measurement by the ton, in the field, provide measurements in accordance with Item 520, "Weighing and Measuring Equipment," except for items where ton measurements are measured by standard tables.


The Engineer may reject loads and suspend hauling operations for overloading.


1.3.1. **Hauling on Routes Accessible to the Traveling Public.** For payment purposes on haul routes accessible to the traveling public, the net weight of the load will be calculated as follows:

 If the gross vehicle weight is less than the maximum allowed by law, including applicable yearly weight tolerance permit, the net weight of the load will be determined by deducting the tare weight of the vehicle from the gross weight.

 If the gross vehicle weight is more than the maximum allowed by law, including applicable yearly weight tolerance permit, the net weight of the load will be determined by deducting the tare weight of the vehicle from the maximum gross weight allowed.

1.3.2. **Hauling on Routes Not Accessible to the Traveling Public.** For payment purposes on haul routes that are not accessible to the traveling public where advance permission is obtained in writing from the Engineer:

 If the gross vehicle weight is less than the maximum allowed, including applicable yearly weight tolerance permit, the net weight of the load will be determined by deducting the tare weight of the vehicle from the gross weight.

 If the gross vehicle weight is more than the maximum allowed, the net weight of the load will be determined by deducting the tare weight of the vehicle from the maximum gross weight allowed.

2. Plans Quantity Measurement

Plans quantities may or may not represent the exact quantity of work performed or material moved, handled, or placed during the execution of the Contract. The estimated bid quantities are designated as final payment quantities, unless revised by the governing specifications or this article.

If the quantity measured as outlined under “Measurement” varies by more than 5% (or as stipulated under “Measurement” for specific Items) from the total estimated quantity for an individual item originally shown in the Contract, an adjustment may be made to the quantity of authorized work done for payment purposes.

When quantities are revised by a change in design approved by the Owner, by change order, or to correct an error on the plans, the plans quantity will be increased or decreased by the amount involved in the change, and the 5% variance will apply to the new plans quantity.

If the total Contract quantity multiplied by the unit bid price for an individual item is less than \$250 and the item is not originally a plans quantity item, then the item may be paid as a plans quantity item if the Engineer and Contractor agree in writing to fix the final quantity as a plans quantity.

For Contracts with callout work and work orders, plans quantity measurement requirements are not applicable.

3. Adjustment of Quantities

The party to the Contract requesting the adjustment will provide field measurements and calculations showing the revised quantity. When approved, this revised quantity will constitute the final quantity for which payment will be made. Payment for

revised quantity will be made at the unit price bid for that item, except as provided for in Article 4.4., "Changes in the Work."

4. Scope of Payment

Payment of the Contract unit price is full compensation for all materials, equipment, labor, tools, and supplies necessary to complete the item of work under the Contract. Until final acceptance in accordance with Article 5.12., "Final Acceptance," assume liability for completing the work according to the Contract documents and any loss or damage arising from the performance of the work or from the action of the elements, infringement of patent, trademark, or copyright, except as provided elsewhere in the Contract.

The Owner will only pay for material incorporated into the work in accordance with the Contract. Payment of progress estimates will in no way affect the Contractor's obligation under the Contract to repair or replace any defective parts in the construction or to replace any defective materials used in the construction and to be responsible for all damages due to defects if the defects and damages are discovered on or before final inspection and acceptance of the work.

5. Progress Payments

The Engineer will prepare a monthly estimate of the amount of work performed, including materials in place. Incomplete items of work may be paid at an agreed upon percentage as approved. Payment of the monthly estimate is determined at the Contract item prices less any withholdings or deductions in accordance with the Contract. Progress payments may be withheld for failure to comply with the Contract.

6. Payment for Material on Hand (MOH)

If payment for MOH is desired, request compensation for the invoice cost of acceptable nonperishable materials that have not been used in the work before the request, and that have been delivered to the work location or are in acceptable storage places. Nonperishable materials are those that do not have a shelf life or whose characteristics do not materially change when exposed to the elements. Include only materials that have been sampled, tested, approved, or certified, and are ready for incorporation into the work. Only materials which are completely constructed or fabricated on the Contractor's order for a specific Contract and are so marked and on which an approved test report has been issued are eligible. Payment for MOH may include the following types of items: concrete traffic barrier, precast concrete box culverts, concrete piling, reinforced concrete pipe, and illumination poles. Any repairs required after fabricated materials have been approved for storage will require approval of the Engineer before being made and will be made at the Contractor's expense. Include only those materials that have an invoice cost of at least \$1,000 in the request for MOH payment.

If the request is acceptable, the Engineer will include payment for MOH in a progress

payment. Payment for MOH does not constitute acceptance of the materials. Payment will not exceed the actual cost of the material as established by invoice, or the total cost for the associated item less reasonable placement costs, whichever is less. Materials for which the Contractor does not have a paid invoice within 60 days will not be eligible for payment and will be removed from the estimate. Payment may be limited to a portion of the invoice cost or unit price if shown elsewhere in the Contract. Payment for precast products fabricated or constructed by the Contractor for which invoices or freight bills are not available may be made based on statements of actual cost.

Submit the request on forms provided by the Owner. These forms may be electronically reproduced, provided they are in the same format and contain all the required information and certifications. Continue to submit monthly MOH forms until the total value of MOH is \$0.

By submitting a request for MOH payment, the Contractor expressly authorizes the Owner to audit MOH records, and to perform process reviews of the record-keeping system. If the Owner determines noncompliance with any of the requirements of this provision, the Owner may exclude payment for any or all MOH for the duration of the Contract.

Maintain all records relating to MOH payment until final acceptance. Provide these records to the Engineer upon request.

7. **Payment for Extra Work AND FORCE ACCOUNT METHOD**

Payment for extra work directed, performed, and accepted will be made in accordance with Article 4.4., "Changes in the Work." Payment for extra work may be established by agreed unit prices or by Force Account Method.

Agreed unit prices are unit prices that include markups and are comparable to recent bid prices for the same character of work. These unit prices may be established without additional breakdown justification.

When using Force Account Method, determine an estimated cost for the proposed work and establish labor and equipment rates and material costs. Maintain daily records of extra work and provide copies of these records daily, signed by the Contractor's representative, for verification by the Engineer. Request payment for the extra work no later than the 10th day of the month following the month in which the work was performed. Include copies of all applicable invoices. If the extra work to be performed has an estimated cost of less than \$10,000, submit for approval and payment an invoice of actual cost for materials, equipment, labor, tools, and incidentals necessary to complete the extra work.

7.1. **Markups.** Payment for extra work may include markups as compensation for the use of small tools, overhead expense, and profit.

7.1.1. **Labor.** Compensation will be made for payroll rates for each hour that the labor,

foremen, or other approved workers are actually engaged in the work. In no case will the rate of wages be less than the minimum shown in the Contract for a particular category. An additional 25% of this sum will be paid as compensation for overhead, superintendence, profit, and small tools.

7.1.2. Insurance and Taxes. An additional 55% of the labor cost, excluding the 25% compensation provided in Section 9.7.1.1., "Labor," will be paid as compensation for labor insurance and labor taxes including the cost of premiums on non-project-specific liability (excluding vehicular) insurance, workers compensation insurance, Social Security, unemployment insurance taxes, and fringe benefits.

7.1.3. Materials. Compensation will be made for materials associated with the work based on actual delivered invoice costs, less any discount. An additional 25% of this sum will be paid as compensation for overhead and profit.

7.1.4. Equipment. Payment will be made for the established equipment hourly rates for each hour that the equipment is involved in the work. An additional 15% of this sum will be paid as compensation for overhead and profit not included in the rates.

Transportation cost for mobilizing equipment will be included if the equipment is mobilized from an off-site location.

7.1.4.1. Contractor-Owned Equipment. For Contractor-owned machinery, trucks, power tools, or other equipment, use the FHWA rental rates found in the *Rental Rate Blue Book* multiplied by the regional adjustment factor and the rate adjustment factor to establish hourly rates. Use the rates in effect for each section of the *Rental Rate Blue Book* at the time of use.

If a rate has not been established for a particular piece of equipment in the *Rental Rate Blue Book*, the Engineer will allow a reasonable hourly rate. This price will include operating costs.

Payment for equipment will be made for the actual hours used in the work. The Owner reserves the right to withhold payment for low production or lack of progress. Payment will not be made for time lost for equipment breakdowns, time spent to repair equipment, or time after equipment is no longer needed.



7.1.4.2. Equipment Not Owned by the Contractor. For equipment rented from a third party not owned by the Contractor, payment will be made at the invoice daily rental rate for each day the equipment is needed for the work. The Owner reserves the right to limit the daily rate to comparable *Rental Rate Blue Book* rates. When the invoice specifies that the rental rate does not include fuel, lubricants, repairs, and servicing, the *Rental Rate Blue Book* hourly operating cost for each hour the equipment is operated will be added.



When the invoice specifies equipment operators as a component of the equipment

rental, payment will be made at the invoice rate for each operator for each day the equipment is needed for the work.



7.1.4.3. **Standby Equipment Costs.** Payment for standby equipment will be made in accordance with Section 9.7.1.4., "Equipment," except that:


7.1.4.3.1. **Contractor-Owned Equipment.** For Contractor-owned machinery, trucks, power tools, or other equipment:



 Standby will be paid at 50% (to remove operating cost) of the FHWA  rates found in the *Rental Rate Blue Book* multiplied by the regional adjustment factor and the rate adjustment factor.

 Standby costs will not be allowed during periods when the equipment  have otherwise been idle.

7.1.4.3.2. **Equipment Not Owned by the Contractor.** For equipment rented from a third party not owned by the Contractor:

 Standby will be paid at the invoice daily rental rate, excluding operating  which includes fuel, lubricants, repairs, and servicing. The Owner reserves the right to limit the daily standby rate to comparable FHWA rental rates found in the *Rental Rate Blue Book* multiplied by the regional adjustment factor and the rate adjustment factor.

 Standby will be paid for equipment operators when included on the invoice and equipment operators are actually on standby.

 Standby costs will not be allowed during periods when the equipment  have otherwise been idle.

7.1.5. **Subcontracting.** An additional 5% of the actual invoice cost will be paid to the Contractor as compensation for administrative cost, superintendence, and profit.

7.1.6. **Law Enforcement.** An additional 5% of the actual invoice cost will be paid as compensation for administrative costs, superintendence, and profit.

7.1.7. **Railroad Flaggers.** An additional 5% of the actual invoice cost will be paid as compensation for administrative cost, superintendence, and profit.

7.1.8. **Bond Cost.** An additional 1% of the total compensation provided in Article 9.7., "Payment for Extra Work and Force Account Method," will be paid for the increase in bond.

8. **Retainage**

The Owner will not withhold retainage on the Contractor. The Contractor may withhold retainage on subcontractors in accordance with state and federal

regulations.

9. Payment Provisions for Subcontractors

For the purposes of this article only, the term subcontractor includes suppliers and the term work includes materials provided by suppliers at a location approved by the Engineer. These requirements apply to all tiers of subcontractors. Incorporate the provisions of this article into all subcontract or material purchase agreements.

Pay subcontractors for work performed within 10 days after receiving payment for the work performed by the subcontractor. Also, pay any retainage on a subcontractor's work within 10 days after satisfactory completion of all of the subcontractor's work. Completed subcontractor work includes vegetative establishment, test, maintenance, performance, and other similar periods that are the responsibility of the subcontractor.

For the purpose of this section, satisfactory completion is accomplished when:

- the subcontractor has fulfilled the Contract requirements of both the Owner and the subcontract for the subcontracted work, including the submittal of all information required by the specifications and the Owner; and

- the work done by the subcontractor has been inspected, approved, and ~~by~~ by the Owner.

Provide a certification of prompt payment in accordance with the Owner's prompt payment procedure to certify that all subcontractors and suppliers were paid from the previous months payments and retainage was released for those whose work is complete. Submit the completed form each month and the month following the month when final acceptance occurred at the end of the project.

The inspection and approval of a subcontractor's work does not eliminate the Contractor's responsibilities for all the work as defined in Article 7.17., "Contractor's Responsibility for Work."

The Owner may pursue actions against the Contractor, including withholding of estimates and suspending the work, for noncompliance with the subcontract requirements of this section upon receipt of written notice with sufficient details showing the subcontractor has complied with contractual obligations.

10.

Final Payment

When the Contract has been completed, all work has been approved, final acceptance has been made in accordance with Article 5.12., "Final Acceptance," and Contractor submittals have been received, the Engineer will prepare a final estimate for payment showing the total quantity of work completed and the money owed the Contractor. The final payment will reflect the entire sum due, less any sums previously paid.

Special Provision to Item 000

Schedule of Liquidated Damages

The dollar amount of daily contract administration Liquidated Damages per Working Day is \$1,307.39

Special Provision to Item 000

Nondiscrimination

1. DESCRIPTION

All recipients of federal financial assistance are required to comply with various nondiscrimination laws including Title VI of the Civil Rights Act of 1964, as amended, (Title VI). Title VI forbids discrimination against anyone in the United States on the grounds of race, color, or national origin by any agency receiving federal funds.

Owner, as a recipient of Federal financial assistance, and under Title VI and related statutes, ensures that no person shall on the grounds of race, religion (where the primary objective of the financial assistance is to provide employment per 42 U.S.C. § 2000d-3), color, national origin, sex, age or disability be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any of Owner's programs or activities.

2. DEFINITION OF TERMS

Where the term "contractor" appears in the following six nondiscrimination clauses, the term "contractor" is understood to include all parties to contracts or agreements with the Owner.

3. NONDISCRIMINATION PROVISIONS

During the performance of this contract, the contractor agrees as follows:

- 3.1. **Compliance with Regulations.** The Contractor shall comply with the Regulations relative to nondiscrimination in Federally-assisted programs of the Department of Transportation (hereinafter, "DOT") Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
- 3.2. **Nondiscrimination.** The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
- 3.3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.
- 3.4. **Information and Reports:** The contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Owner or the Texas Department of Transportation to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information the contractor shall so certify to the Owner or the Texas Department of Transportation as appropriate, and shall set forth what efforts it has made to obtain the information.

Special Provision to Item 000

Certification of Nondiscrimination in Employment

1. GENERAL

By signing this proposal, the Bidder certifies that Bidder has participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Orders 10925, 11114, or 11246, or if Bidder has not participated in a previous contract of this type, or if Bidder has had previous contract or subcontracts and has not filed, Bidder will file with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

Note—The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b)(1)), and must be submitted by Bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b)(1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

Special Provision to Item 000

Disadvantaged Business Enterprise in Federal-Aid Contracts

1. DESCRIPTION

The purpose of this Special Provision is to carry out the U.S. Department of Transportation's (DOT) policy of ensuring nondiscrimination in the award and administration of DOT-assisted Contracts and creating a level playing field on which firms owned and controlled by individuals who are determined to be socially and economically disadvantaged can compete fairly for DOT-assisted Contracts.

2. DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL-AID CONTRACTS

- 2.1. **Policy.** It is the policy of the DOT and the Texas Department of Transportation (Department) that DBEs, as defined in 49 CFR Part 26, Subpart A, and the Department's DBE Program, will have the opportunity to participate in the performance of Contracts financed in whole or in part with federal funds. The DBE requirements of 49 CFR Part 26, and the Department's DBE Program, apply to this Contract as follows.

The Contractor will solicit DBEs through reasonable and available means, as defined in 49 CFR Part 26, Appendix A, and the Department's DBE Program, or show a good faith effort to meet the DBE goal for this Contract.

The Contractor, subrecipient, or subcontractor will not discriminate on the basis of race, color, national origin, or sex in the performance of this Contract. Carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted Contracts. Failure to carry out these requirements is a material breach of this Contract, which may result in the termination of this Contract or such other remedy as the recipient deems appropriate.

The requirements of this Special Provision must be physically included in any subcontract.

By signing the Contract proposal, the Bidder is certifying that the DBE goal as stated in the proposal will be met by obtaining commitments from eligible DBEs or that the Bidder will provide acceptable evidence of good faith effort to meet the commitment.

2.2. Definitions.

- 2.2.1. **Administrative Reconsideration.** A process by which the low bidder may request reconsideration when the Department determines the good faith effort (GFE) requirements have not been met.

- 2.2.2. **Commercially Useful Function (CUF).** A CUF occurs when a DBE has the responsibility for the execution of the work and carrying out such responsibilities by actually performing, managing, and supervising the work.

- 2.2.3. **Disadvantaged Business Enterprise (DBE).** A for-profit small business certified through the Texas Unified Certification Program in accordance with 49 CFR Part 26, that is at least 51% owned by one or more socially and economically disadvantaged individuals, or in the case of a publicly owned business, in which is at least 51% of the stock is owned by one or more socially and economically disadvantaged individuals, and whose management and daily business operations are controlled by one or more of the individuals who own it.

- 2.2.4. **DBE Joint Venture.** An association of a DBE firm and one or more other firms to carry out a single business enterprise for profit for which purpose they combine their property, capital, efforts, skills, and knowledge, and in which the DBE is responsible for a distinct, clearly defined portion of the work of the Contract and whose

Special Provision to Item 000

Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246)

1. GENERAL

In addition to the affirmative action requirements of the Special Provision titled "Standard Federal Equal Employment Opportunity Construction Contract Specifications" as set forth elsewhere in this proposal, the Bidder's attention is directed to the specific requirements for utilization of minorities and females as set forth below.

2. GOALS

2.1. Goals for minority and female participation are hereby established in accordance with 41 CFR 60-4.

2.2. The goals for minority and female participation expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area are as follows:

Goals for minority participation in each trade, %	Goals for female participation in each trade, %
See Table 1	6.9

2.3. These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, it will apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the Contractor also is subject to the goals for both its federally involved and non-federally involved construction. The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 will be based on its implementation of the Standard Federal Equal Employment Opportunity Construction Contract Specifications Special Provision and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the Contract, and in each trade, and the Contractor must make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority and female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals will be a violation of the Contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

2.4. A Contractor or subcontractor will be considered in compliance with these provisions by participation in the Texas Highway-Heavy Branch, AGC, Statewide Training and Affirmative Action Plan. Provided that each Contractor or subcontractor participating in this plan must individually comply with the equal opportunity clause set forth in 41 CFR 60-1.4 and must make a good faith effort to achieve the goals set forth for each participating trade in the plan in which it has employees. The overall good performance of other Contractors and subcontractors toward a goal in an approved plan does not excuse any covered Contractor's or subcontractor's failure to make good faith efforts to achieve the goals contained in these provisions. Contractors or subcontractors participating in the plan must be able to demonstrate their participation and document their compliance with the provisions of this Plan.

3. SUBCONTRACTING

The Contractor must provide written notification to the Owner within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the Contract resulting from this solicitation pending concurrence of the Owner in the award. The notification will list the names,

Special Provision to Item 000

Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246)

1. GENERAL

1.1. As used in these specifications:

- ✂ “Covered area” means the geographical area described in the solicitation from which this Contract resulted;
- ✂ “Director” means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;
- ✂ “Employer identification number” means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.
- ✂ “Minority” includes:
 - Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
 - Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
 - Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
 - American Indian or Alaskan Native (all persons having origins in any of the original peoples of North American and maintaining identifiable tribal affiliations through membership and participation or community identification).

1.2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it will physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this Contract resulted.

1.3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U. S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) will be in accordance with that plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the equal employment opportunity (EEO) clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

1.4. The Contractor will implement the specific affirmative action standards provided in Section 1.7.1. through Section 1.7.16. of these specifications. The goals set forth in the solicitation from which this Contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered construction Contractors performing Contracts in geographical areas where they do not have a Federal or federally assisted construction Contract will apply the minority and female goals established for the geographical area where the Contract is being performed. Goals are published periodically in the Federal Register in notice form and such notices may be obtained from any Office of Federal Contract Compliance Programs office or any Federal procurement contracting officer. The

Special Provision to Item 002

Instructions to Bidders

Item 2, "Instructions to Bidders," of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Article 2.3., "Issuing Proposal Forms," second paragraph, is supplemented by the following.

The Owner will not issue a proposal form if one or more of the following apply:

- ✘ the Bidder or affiliate of the Bidder that was originally determined as the apparent low Bidder on a project, but was deemed nonresponsive for failure to submit a DBE commitment as specified in Article 2.14., "Disadvantaged Business Enterprise (DBE)," is prohibited from rebidding that specific project.

Article 2.7., "Nonresponsive Bid," is supplemented by the following:

The Owner will not accept a nonresponsive bid. A bid that has one or more of the deficiencies listed below is considered nonresponsive:

- ✘ the Bidder failed to submit a DBE commitment as specified in Article 2.14., "Disadvantaged Business Enterprise (DBE)."

Article 2.14., "Disadvantaged Business Enterprise (DBE)," is added.

The apparent low bidder must submit DBE commitment information on federally funded projects with DBE goals within 5 calendar days (as defined in 49 CFR Part 26, Subpart A) of bid opening. For a submission that meets the 5-day requirement, administrative corrections will be allowed.

If the apparent low Bidder fails to submit their DBE information within the specified timeframe, the apparent low bidder will be deemed nonresponsive and the proposal guaranty will become the property of the Owner, not as a penalty, but as liquidated damages. The Bidder forfeiting the proposal guaranty will not be considered in future proposals for the same work unless there has been a substantial change in the design of the work. The Owner may recommend:

- ✘ reject all bids, or
- ✘ award the Contract to the new apparent low Bidder, if the new apparent low Bidder submits DBE information within one calendar day of notification by the Owner.

If the new apparent low Bidder is unable to submit the required DBE information within one calendar day:

- ✘ the new apparent low Bidder will not be deemed nonresponsive,
- ✘ the Bidder's guaranty will not be forfeited,
- ✘ the Owner will reject all bids, and
- ✘ the Bidder will remain eligible to receive future proposals for the same project.

Special Provision to Item 7

Legal Relations and Responsibilities

Item 7, "Legal Relations and Responsibilities," of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Section 2.6.5., "Training", is supplemented by the following:

Coordinate enrollment, pay associated fees, and successfully complete approved Training or Contractor Delivered Training. Training is valid for the period prescribed by the provider but no less than 3 yrs. from the date of completion. The Owner may require training at a frequency less than the period prescribed or 3 yrs. based on Owner's needs. Training and associated fees will not be measured or paid for directly but are considered subsidiary to pertinent Items.

2.6.5.1. Approved Training. Approved training is listed below:

2.6.5.1.1 Contractor Responsible Person and Alternate.

Provider	Course Title
American Traffic Safety Services Association	Traffic Control Supervisor
National Highway Institute	Maintenance of Traffic Control for Supervisors

2.6.5.1.2. Flagger Instructor Training.

Provider	Course Title
American Traffic Safety Services Association	Flagging Instructor Training Course
Texas Engineering Extension Services	Train-the-Trainer Flaggers
National Safety Council	Flagger (Instructor)
University of Texas at Arlington, Division for Enterprise Development	Certified Flagger Instructor

Flagger Training.

Provider	Course Title
Texas Engineering Extension Services	Flaggers in Work Zones
National Safety Council	Flagger (Novice)
University of Texas at Arlington, Continuing Education Department	Flaggers in Work Zones (TxDOT Training)
University of Texas at Arlington, Continuing Education Department	WZ Traffic Control/Qualified Flagger
Associated Builders and Contractors, Austin Chapter	Flagger Training
LDI Safety Training	Flagger Training
Tipton Compliance and Safety	Flagger Training

Special Provision to Item 506

Temporary Erosion, Sedimentation, and Environmental Controls

For this project, item 506, "Temporary Erosion, Sedimentation, and Environmental Controls," of the standard specifications, is hereby voided and replaced with the following.

1. DESCRIPTION

Install, maintain, and remove erosion, sedimentation, and environmental control measures to prevent or reduce the discharge of pollutants in accordance with the Storm Water Pollution Prevention Plan (SWP3) in the plans and the Texas Pollutant Discharge Elimination System (TPDES) General Permit TXR150000.

2. MATERIALS

Furnish materials in accordance with the following:

- ✂ Item 161, "Compost"
- ✂ Item 432, "Riprap"
- ✂ Item 556, "Pipe Underdrains"

2.1. Rock Filter Dams.

2.1.1. **Aggregate.** Furnish aggregate with hardness, durability, cleanliness, and resistance to crumbling, flaking, and eroding acceptable to the Owner. Provide the following:

- ✂ Types 1, 2, and 4 Rock Filter Dams. Use 3 to 6 in. aggregate.
- ✂ Type 3 Rock Filter Dams. Use 4 to 8 in. aggregate.

2.1.2. **Wire.** Provide minimum 20 gauge galvanized wire for the steel wire mesh and tie wires for Types 2 and 3 rock filter dams. Type 4 dams require:

- ✂ a double-twisted, hexagonal weave with a nominal mesh opening of 2-1/2 in. × 3-1/4 in.;
- ✂ minimum 0.0866 in. steel wire for netting;
- ✂ minimum 0.1063 in. steel wire for selvages and corners; and
- ✂ minimum 0.0866 in. for binding or tie wire.

2.1.3. **Sandbag Material.** Furnish sandbags meeting Section 506.2.8., "Sandbags," except that any gradation of aggregate may be used to fill the sandbags.

2.2. **Temporary Pipe Slope Drains.** Provide corrugated metal pipe, polyvinyl chloride (PVC) pipe, flexible tubing, watertight connection bands, grommet materials, prefabricated fittings, and flared entrance sections that conform to the plans. Recycled and other materials meeting these requirements are allowed if approved.

Furnish concrete in accordance with Item 432, "Riprap."

2.3. **Temporary Paved Flumes.** Furnish asphalt concrete, hydraulic cement concrete, or other comparable non-erodible material that conforms to the plans. Provide rock or rubble with a minimum diameter of 6 in. and a maximum volume of 1/2 cu. ft. for the construction of energy dissipaters.

2.4. **Construction Exits.** Provide materials that meet the details shown on the plans and this Section.

TITLE VI REQUIREMENT

Title VI Contract Provisions

Subrecipients of federal financial assistance must ensure that the clauses of Appendix A of the U.S. DOT Standard Title VI Assurances are inserted in every contract subject to the Act and the Regulations and that Form FHWA-1273 be physically attached to all federal-aid construction contracts of \$10,000 or more.

NOTE TO CONTRACTORS:

FORM 1273 and **Appendix A** (attached) must be inserted in all subcontractor contracts.

The successful bidder will be required to provide a copy of each of its subcontractors (all tiers) to verify that the above mentioned provisions are included.

TO BE SUBMITTED BY THE .PRIME CONTRACTOR
.THIS FORM MUST BE SUBMITTED WITH BID PROPOSAL

**FAILURE TO SUBMIT THIS CERTIFICATION IN THE SEALED BID
WILL BE CAUSE TO DECLARE THE BIDDER NON-RESPONSIVE**

**BUY AMERICA CERTIFICATE
PROCUREMENT OF STEEL, IRON OR MANUFACTURED PRODUCTS**

Certificate of Compliance with 49 U.S.C. 5323 U) (1)

The Bidder or Offeror hereby certifies that it will comply with the requirements of 49 U.S.C. 5323 U) (1), and the applicable regulations in 49 CFR part 661.

Company Name _____

Signature

Title

Date



U.S. Department
of Transportation
**Federal Highway
Administration**

Texas Division

300 E.8th Street, Rm 826
Austin, TX 78701
May 26, 2021 (Tel) (512) 536-5900
(Fax) (512-536-5990
Texas.fhwa@dot.gov

In Reply Refer To:
HDA-TX

Kyle Madsen, J.D.
Director, TxDOT Right of Way Division
Texas Department of Transportation
125 E. 11th Street
Austin, TX 78701.2483

Reference: TxDOT Implementation of Buy America Laws for Utility Accommodations

Dear: Mr. Madsen:

Our office has received and reviewed your letter dated May 5, 2021 concerning the revised Buy America Guidelines included in your transmittal. In your email, you indicate your effort to further clarify the definition of “domestically manufactured products,” by adding the second paragraph on pdf page 5 of your guidelines. This clarification includes reference to the July 6, 1989 FHWA Buy America Requirements memo and the 1995 Notice of nationwide waiver of Buy America for Pig Iron, and Processed, Pelletized and Reduced Iron Ore.

The new guidance includes a limited transition period through May 5, 2022 to allow utility companies to perform business operations activities necessary to ensure compliance with the new revisions to the Buy America guidelines regarding manufacturing processes. This transition period is only applicable to the additional material items incorporated into the revised guidelines. Utility companies are still required to be compliant with Buy America guidelines prior to the revision.

Our office has reviewed the attached letter, proposed guidelines and transition period and found them acceptable for use on Federal-aid Projects. If you have any further questions please contact Clarence Rumancik at Clarence.Rumancik@dot.gov or 512-536-5947.

Sincerely,

Carl M. Highsmith
Director of District Operations



125 EAST 11TH STREET, AUSTIN, TEXAS 78701-2483 | 512.463.8588 | WWW.TXDOT.GOV

May 5, 2021

Al Alonzi
Division Administrator
Federal Highway Administration
J.J. Pickle Federal Building
300 E. 8th Street, Room 826
Austin, TX 78701

Subject: TxDOT Implementation of Buy America Laws for Utility Accommodations

The Texas Department of Transportation (TxDOT) is pleased to offer our proposed Buy America guidelines (attached) to the Federal Highway Administration (FHWA) Texas Division. TxDOT will use these guidelines to clarify and implement Buy America requirements for utility relocations within the state of Texas.

These guidelines are relevant for all federally eligible transportation projects where FHWA is determined to be the lead federal agency; however, they do not take precedence over projects where the Federal Transit Administration (FTA) or the Federal Railroad Administration (FRA) is determined to be the lead federal agency. These procedures are intended to document the cooperative effort of the FHWA Texas Division and TxDOT.

To avoid delays in utility relocations and highway construction projects, this version of the guidance allows for a limited transition period through May 5, 2022 (standard utility agreement execution date will be used as the basis for the date). This limited transition period is provided to allow utility companies to perform business operations activities necessary to ensure compliance with the new revisions to the Buy America guidelines regarding manufacturing process. These activities may include execution of new contracts with suppliers or revisions to existing contracts as well as implementation of revisions to internal purchasing and logistics processes. Please note that the limited transition period only applies to the additional material items incorporated in this version of the revised guidelines. Utility companies are still required to be compliant with the Buy America guidelines in effect prior to the most recent revision date. A similar limited transition period was granted in the guidelines revision approval letter dated October 19, 2017.

I am hopeful that you will find the attached document satisfactory and acceptable for use on federal-aid projects.

Should you have questions or require additional information, please contact Anna Pulido, P. E., Utility Portfolio Section Director, at 512-416-2852.

Sincerely,

DocuSigned by:

Kyle Madsen, J.D.

Director, TxDOT Right of Way Division

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OUR MISSION: *Through collaboration and leadership, we deliver a safe, reliable, and integrated transportation system that enables the movement of people and goods.*

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Buy America: Utility Accommodations

Definitions:

TxDOT intends to use the following definitions to provide clarity and to assist utility-service providers as they develop internal processes to ensure compliance with Buy America.

TxDOT and the utility owner will identify the proposed utility structures and their components that will be monitored in the Utility Agreement Estimate.

Anchor & High-Strength Bolts – Anchor & high strength bolts will be identified and consistently applied. The utility owner and TxDOT will identify anchor & high-strength bolts in the estimate, specifications or plans in the Utility Agreement as necessary for the safe and functional design of the utility relocation. If a bolt is not called out as an anchor or high strength bolt the supplied bolt is not subject to Buy America.

Assembly Materials (miscellaneous steel) – The collection of miscellaneous materials used to fasten, hold, attach, secure and/or assemble materials including but not limited to nuts, bolts, U-bolts, screws, washers, clips, fittings, sleeves, lifting hooks, mounting brackets, pole steps, clamps, brackets, mountings, straps, fasteners, hooks, pins, braces, disks, clevises, couplers, swivels, snaps, crimps, trunnions, dead-ends, compression swages and other miscellaneous materials used to assemble.

Attachment Materials – Items or material that is not an integral part or permanently attached to a pole, pipe or valve. Attachment materials include, but are not limited to cross arm bracing, insulators, avian equipment, miscellaneous hardware (as defined below), fittings, racks, ladders, encasements, guy wire, strand, conductors and tubing 0.75-inch or less in diameter.

Betterments – Any upgrading of the facility being relocated that is not attributable to the highway construction and is made solely for the benefit of and at the election of the utility (23 CFR 645.105). Betterments as part of a reimbursable Utility Agreement must be Buy America compliant.

Conductor – A material (specifically wires and cables) that allows the flow of energy including electricity, heat, data, audio/video transmission, etc.

Conductor Support Cables – Iron or steel cables that support conductor lines between towers or poles.

Fittings – Individual parts used to join, adjust or adapt a system of pipes including but not limited to elbows, tees, wyes, crosses, nipples, reducers,

end caps, couplers, o-lets, transitions, connectors (steady state, seismic and flexible), unions, mechanical flanges (not permanently affixed to the pipe), bushings, ferrules, gaskets, O-rings, plugs or taps.

Girders – A load bearing beam or strut commonly taking the cross-sectional shape of a circle, square, rectangle, or an I, C, L, or Z, and assembled for the purpose of creating lattice towers, stand-alone platforms or transmission towers.

Housing Encasements – Include cabinets, housings, boxes, vaults, covers, shelves and other items use to protect or house equipment or miscellaneous electronics.

Lattice Towers – A structure that is compiled of girders and is typically used in series to support conductor cables.

Maintenance – An action or application of materials necessary to keep a system functioning safely and at optimal capacity; general up-keep.

Miscellaneous Electronics – Manufactured products or assemblies consisting of many components such as electronic equipment, routers, switches, radios, processors, power supplies, batteries, antennas, splice cases, pre-connected hubs and terminals, and cross-boxes.

Miscellaneous Hardware – An assembly of small parts that are compiled to form a finished product that is often used independently or as an attachment material, including but not limited to locks, switches, cutouts, regulators, gauges, meters, barometers, strainers, filters, pilots, arrestors, insulators, ball bearings, dampeners, needle valves, braces, pipe supports, actuators, motors and pumps.

Permanent Installation – Is the final location and final installation of the materials as defined on the plans or in the specifications. No further adjustments or relocations are necessary to accommodate the final transportation project improvements.

Stand-alone Platforms – A structure that is compiled of girders and is used to permanently hold or support large equipment.

Temporary Utility Relocation – A temporary utility relocation is generally subject to the schedule necessary to accomplish the scope of the project as defined by the NEPA document. A temporary utility relocation is one that is needed to allow the project to proceed, but is not required to remain in its relocation upon completion of the project. For example, if the scope of the project requires the sequential completion of six separate construction contracts, theoretically a temporary utility relocation could remain in place

prior to commencement of the first construction contract and extend beyond completion of the sixth construction contract prior to its final placement. A temporary utility relocation can also be established if the contract specification or plans require that the steel or iron material used on the project either must be removed at the end of the project or may be removed at the contractor's convenience.

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OUR MISSION: *Through collaboration and leadership, we deliver a safe, reliable, and integrated transportation system that enables the movement of people and goods.*

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Guidelines

On federal-aid projects, utility facility owners will use domestically manufactured products that are composed predominately of steel and/or iron to incorporate into the permanent installation of the utility facility – in compliance with the Buy America provisions of 23 CFR 635.410, as amended. Examples of such products may include poles, cross arms, and structural support members; towers and girders used to comprise transmission towers and stand-alone structures; conductor support cables; high-strength bolts used as anchor bolts and anchor rods; iron or steel baseplates; encasement pipes, pipes and valves; rebar and other reinforcing iron/steel for all cast-in-place and precast installations; conduit and ducting; fire hydrants; manhole covers, rims and drop-inlet grates.

According to FHWA (memo dated July 6, 1989), all manufacturing processes of the steel material in a project (i.e., smelting and any subsequent process which alters the steel material's physical form or shape or changes its chemical composition) must occur within the United States to be considered of domestic origin. “Domestically manufactured products” are those products manufactured in the United States that have not undergone any manufacturing process outside of the United States that modified the chemical content, physical shape or size, or final finish of the product, beginning with the initial melting and continuing through final shaping and coating. For example, the creation of steel in any fashion from the iron ore is considered a manufacturing process, and if that process is performed outside the US, the steel is non-compliant, even if the final product was manufactured domestically. Raw materials were originally included in Buy America; however, lack of adequate domestic supply resulted in a 1995 nationwide waiver for pig iron and reduced/processed/pelletized iron ore.

Prior to the installation of products subject to Buy America compliance, the utility facility owner will submit an executed TxDOT Form 1818 with attached Mill Test Reports, issued and signed by the initial fabricator, supplier of materials or utility owner. Mill Test Reports should state that the materials were manufactured domestically. In certain instances, the utility facility owner may demonstrate Buy America compliance by providing a written certification signed by the vendor or manufacturer on company letterhead or other acceptable documentation signed by an authorized representative declaring that all supplied materials subject to the Buy America provisions are fully compliant. The written certification will include the specific project information pertaining to the Standard Utility Agreement and state that all products that are composed predominately of steel and/or iron were manufactured domestically and in compliance with the Buy America provisions of 23 CFR 635.410, as amended.

Certain utility agreements, executed before Dec. 31, 2013, that do not have federal funding for utility materials or relocation are not subject to Buy America (even if other contracts associated with the project were reimbursed with federal funds). The date of the original utility agreement will be used as the date to determine Buy America compliance if the utility agreement is amended after December 31, 2013 unless the amendment includes major changes in the scope of work.

Betterments as part of a reimbursable Utility Agreement must be Buy America compliant.

Buy America does not apply to assembly materials, attachment materials, housing encasements, or miscellaneous electronics, as defined above.

Buy America does not apply to any associated materials (including spare materials) required for maintenance.

Buy America does not apply to existing utility materials that are relocated from one location to another within the project limits.

Buy America does not apply to any materials necessary to repair equipment that was discovered or damaged during construction **and** requires immediate action to restore to safe conditions or to minimize adverse public impact. However, these materials shall be considered temporary and must be replaced with Buy America compliant material prior to completion of the project.

Buy America does not apply to associated materials necessary for a temporary utility relocation.

Non-domestic iron and steel materials may be used provided the cost of such materials does not exceed one-tenth of one percent (0.1 %) of the individual utility agreement amount or \$2,500.00, whichever is greater, per 23 CFR 635.410 (b)(4). The *De Minimis* equation is calculated by the following formula: Combined Cost of Only those Materials that are subject to Buy America and are Non-Compliant (limited to the individual utility agreement) divided by the Total Utility Relocation Cost (cited in the individual utility agreement).

Buy America does not apply if the utility relocation effort is not eligible for federal reimbursement when State law prohibits TxDOT from reimbursing utilities. For example, if the utility owner is required to pay for 100% of the entire relocation effort, then the materials associated with that relocation are not subject to Buy America. However, all such work must remain separate from and cannot be accomplished under a utility agreement or contract that includes work eligible for Federal-aid.

Per 23 CFR 635.410, the work to be performed under the utility agreement may include foreign iron and steel products if the cost of Buy America compliant materials will cause the cost of the work to increase by at least 25%. To determine applicability of this provision, one of the following two procedures shall be used, per Texas Department of Transportation policy:

1) If the utility company will use a contractor or developer or concessioner to perform the work included in the utility agreement, the following procedures apply: Demonstration of meeting the 25% excess cost requirement must be accomplished by receiving two separate bids each from at least two qualified contractors for the work. Requests for bids from the qualified contractors must conform to 23 CFR 635.410 (b)(3). One bid from each contractor will include a cost of performing the work described in the utility agreement using Buy America compliant material and the other bid will include a cost for the same work assuming foreign materials. If the bid with the Buy America compliant materials is at least 25% greater than the bid that includes foreign material, then the contract can be awarded to the lowest bid based on materials that are not compliant with Buy America.

2) If the utility company will perform work in the utility agreement with its own forces, the following procedures apply: Demonstration of meeting the 25% excess cost requirement must be accomplished by receiving two separate bids from vendors or manufacturers listing the cost of Buy America compliant materials on one bid document and listing the cost of non-compliant materials on a separate bid document. The utility company will take the cost of the Buy America compliant materials and use it to create the total estimated cost of the work included in the utility agreement. The utility company will do the same with the cost of the noncompliant materials. If the cost of the work included in the utility agreement with Buy America compliant materials is at least 25% greater than the cost using the materials that are not compliant with Buy America, then the non-compliant materials may be used.

TxDOT will periodically review, or audit, the Form 1818 and Bills of Materials (BOMs) for utility projects and determine if the above categories are adequately documented resulting in certification of compliance with Buy America as intended by federal law.

These periodic reviews may result in the addition of categories that are not currently listed above.

Material Statement

Sheet _____ of _____

Supplier: _____
 Address: _____

 Contract No.: _____

County: _____
 Project: _____
 Control: _____
 Contractor: _____

Purchase Order No.	Quantity (Amt./Units)	Material Description	Mill Name	Heat No.	Material Use	Required Spec.	Documentation	
							MTR	Cert.

This is to certify that the materials listed above and on the attached supplement (if attached) are in conformance with the governing specification(s). This is to also certify that all manufacturing processes for steel and iron materials or for the application of coatings (epoxy, galvanizing, painting or any other coating that protects or enhances the value of the steel or iron metal) to these materials occurred in the United States of America. Manufacturing processes are defined as all processes required to change the raw ore or scrap metal into the finished in-place steel or iron product. The attached mill test reports (MTRs) and Certifications (Cert.) are offered as proof of Domestic Origin.

Subscribed and sworn to before me this _____ day of _____, _____

I declare under penalty of perjury under the laws of the United States of America and the State of Texas that the foregoing is true and correct and that I am authorized to sign for the Firm listed below.

Notary Public _____

 (Authorized Corporate Official Signature) Date

My Commission expires: _____, _____

 (Type Name and Title)

(Firm Name)

TRENCH SAFETY SYSTEM
(FOR PROJECTS WHERE TRENCHING IS INVOLVED)

A. GENERAL DUTIES AND RESPONSIBILITIES

- a) The Contractor shall be required to install a Trench Safety System to provide for the safe excavation of all trenches exceeding a depth of five feet (5'), as per Occupational Safety and Health Act (OSHA) standards.
- b) It shall be the duty and responsibility of the Contractor and all its subcontractors to be familiar and comply with all requirements of Public Law 91-596, 29 U.S.C. Secs. 651 et seq., the Occupational Safety and Health Act (OSHA) of 1970, and all amendments thereto, and to enforce and comply with all the provisions of this Act. In addition, on projects in which trench excavation will exceed a depth of five feet (5'), the Contractor and all subcontractors shall comply with all requirements of 29 C.F.R. Secs. 1926.651 and 1926.652, OSHA Safety and Health Standards, which are more fully described herein, and shall require a pay item classification, as described below.
 - 1) The Contractor will be required to submit three (3) sets of a Trench Safety System to the Deputy Director for Engineering for review within twenty- one (21) consecutive calendar days after notification that he has been awarded the contract. Submitted plans and specifications will be considered part of the bid documents and will become part of the contract documents.
 - 2) Submitted plans must be signed and sealed by a professional registered in the State of Texas, with professional experience in Geotechnical Engineering. The Contractor is responsible for obtaining borings and soil analysis, as required for the design and preparation of the Trench Safety System. The Trench Safety System shall be designed in conformance with OSHA standards and regulations.
 - 3) No trenching in excess of five feet (5') below existing grade will be allowed until the Trench Safety System is reviewed. Changes in the Trench Safety System after initiation of construction will not be considered as a basis for an **extension of time** or change order. Each change will require the same review process, as per the original Trench Safety System.
 - 4) The Contractor accepts sole responsibility for compliance with all applicable safety requirements. The review is only for general conformance with OSHA safety standards; and review of the Trench Safety System does not relieve the Contractor of responsibility for any or all construction means, methods, techniques and procedures.

**REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS**

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. **Equal Employment Opportunity:** Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. **EEO Officer:** The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. **Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. **Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. **Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. **Training and Promotion:**

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar

with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor

will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions

of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b.(1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or

will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-

Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b.(1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly

rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility.

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

- (1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
- (2) the prime contractor remains responsible for the quality of the work of the leased employees;
- (3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
- (4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is

evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

1. Instructions for Certification – First Tier Participants:

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS
PREFERENCE FOR APPALACHIAN DEVELOPMENT
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS
ROAD CONTRACTS**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.