# CONTRACT DOCUMENTS AND PLANS AND SPECIFICATIONS

for

Canadian County Bridge Project

**CN 24** 

09E0090N2850005

Bid #2016-#17

Prepared for

Canadian County,

March 2016

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<sup>\*</sup> See ODOT 2009 Standard Specifications for Highway Construction

# Canadian County, Oklahoma COUNTY PURCHASING OFFICE Canadian County Courthouse El Reno, OK 73036

# **INVITATION TO BID**

PLEASE REVIEW TERMS AND CONDITIONS ON REVERSE  DATE ISSUED 04/11/2016									
SIDE RELATING TO SUBMISSION OF THIS BID.						Page 1 of			
Notarized Affidavit completions and signature required or BID NUMBER  Bridge Project / #2016-#17 Canadian County District #1  TERMS: Bidding documents shall be obtained from the Canadian opened during the commissioners meeting on Monday, I			#1 m the Canadian Cou	BID CLOSING DATE AND HOUR  May 6 <sup>th</sup> , 2016 at 4:00 p.m.  Inty Courthouse. Bids will be	REQUIRED DELIVERY DATE SEE SPECIFICATIONS  Days after award of Purchase Order  DATE OF DELIVERY:  SEE SPECIFICATIONS			e	
Item	Quantity	Unit of Issue		Description	Unit Pri	ice		Total	
1 or more			Canadian County the Bridge Projec 09E0090N285000 Specifications att The Board of Can reserves the right award all or any p will be considered including the deli The reverse of the returned or the bi Contact person:	nadian County Commissioners to reject any and all bids or to portion of the items bid. All data d in the awarding of the bid very time.  is sheet must be completed and id will be rejected.	F	CANA TLED API SHELL COL	OF ( DIAI OR I R 1 EY D	N COI RECO 1 201	HOMA JNTY RDED 6 RSON RK

APPROVED

Date 11 April 2016

fficer of Department Head

CD - 3 of 19

#### TERMS AND CONDITIONS

- 1. Sealed bids will be opened in the Commissioners Conference Room, Canadian County Courthouse, 201 N. Choctaw Ave., El Reno, OK 73036 at the time and date shown on the invitation to bid form.
- 2. Late bids will not be considered. Bids must be received in sealed envelopes (one to an envelope) with bid number and closing date written on the outside of each envelope.
- 3. Unit prices will be guaranteed correct by the bidder.
- 4. Firm prices will be F.O.B. destination.
- 5. Purchases by Canadian County, Oklahoma are not subject to state or federal taxes.
- 6. This bid is submitted as a legal offer and any bid when accepted by the County constitutes a firm contract.
- 7. Oklahoma laws require each bidder submitting a bid to a county for goods or services to furnish a notarized sworn statement of non-collusion. A form is supplied below.

8.	Bids will be firm until	06/09/2016
		(Date)

AFFIDAVIT: I, the undersigned, of lawful age, being first duly sworn on oath say that he (she) is the agent authorized by the bidder to submit the above bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any state official or employee as to quantity; quality or price in the prospective contract or any other terms of said prospective contract; or in any discussions between bidders and any state official concerning exchange of money or other thing of value for special consideration in the letting of a contract; that the bidder/contractor has not paid, given or donated or agreed to pay, give or donate to any officer or employee of the State of Oklahoma (or other entity) any money or other thing of value, either directly or indirectly in the procuring of the award of a contract pursuant to this bid.

Subscribed and sworn before this day		
of	(SEAL)	
	Firm:	
My commission expires:	Signed by: (Manual Signat	Title: ture of Undersigned)
NOTARY PUBLIC (CLERK OR JUDGE)	Address:	Phone:
	City:	State:
Please mail sealed bids to: Canadian County Clerk's Office		Zip:

Canadian County Clerk's Office Attn: Purchasing PO Box 458 El Reno, OK 73036

Street Address: 201 N Choctaw Avenue, El Reno, OK 73036

#### **PROPOSAL**

TO:

Canadian County Commissioners Canadian County, Oklahoma

#### Gentlemen:

Pursuant to the notice inviting proposals, the undersigned bidder herewith submits his proposal.

He declares he has carefully examined the Plans, Specifications and forms of Contract and bonds as set forth in the proceedings for:

# Canadian County Bridge Project CN 24 09E0090N2850005

and that he has reached a full understanding of everything required on said Plans and Specifications, and that he has informed himself as to the kind and quantities of various materials to be furnished and/or the nature and location of the work to be done, and all other matters affecting the work.

The undersigned bidder proposes and agrees that if his proposal is accepted, to enter into contract with the County, on forms prescribed, with approved sureties, within seven (7) days, after notice of award to execute the Contract, and to furnish to the County a satisfactory Performance and Statutory Bond in the sum of 100% of the contract price, guaranteeing the faithful performance of the work and payment of bills.

To do any extra work not covered by the following schedule of prices or stipulated lump sum price which may be ordered by the Engineer and to accept as full compensation therefor such prices as may be agreed upon in writing by the Engineer and the Contractor in accordance with Section 108.04 of the General Provisions.

It is further agreed that the Contractor shall begin the work on the date indicated in the Notice to Proceed and to prosecute said work in such a manner as to complete all work contracted for within <u>120</u> calendar days following the Notice to Proceed. The Notice to Proceed shall become effective within 30 calendar days of the bid opening.

The Contractor shall take out and maintain public liability insurance in accordance with Section 106.25 of the General Provisions of the Specifications. A copy of said Specifications is now on file in the Office of the County Clerk.

Upon completion of the Contract, the Contractor shall furnish to the County a satisfactory Maintenance Bond in the amount of 100% of the final contract price, guaranteeing the maintenance of the work for a period of **ONE** (1) year after acceptance by the County.

Accompanying this proposal is a proposal guaranty for 5% of the total bid, payable to Canadian County, which is to be forfeited, as liquidated damages, if, in the event that this proposal is accepted, the undersigned shall fail to execute the contract and furnish satisfactory contract bond under the conditions and within the time specified in this proposal. Otherwise said proposal guaranty is to be returned to the undersigned.

# PROPOSAL Canadian County Bridge Project CN 24 09E0090N2850005

	PAY QUANTITIES					
Item	Description	Units	Quantity	Unit Price	Total Price	
1	Bridge Construction Labor	L. Sum	1.00	VIII.08		
2	Class AA Concrete & Finishing	C.Y.	95.00			
3	Pile Driving beyond plan quantity	L.F.	40.00			
4	Removal of Existing Bridge Structure	L. Sum	1.00			

TOTAL	BID	

# **PROPOSAL**

A Bidder's Bond, Certified or Cashier's Check is required.	enclosed in the amount of \$, as	
STATE OF) COUNTY OF) SS:		
COUNTY OF		
; of I	awful age, being first duly sworn, upon his oath, depose	es
and says, that he executed the accompanying biconstruction of the above improvement in CANA so to do and that the bidder has not been a party competition by agreement to bid at a fixed price official or employee as to quantity, quality, or price prospective contract; or in any discussions betwee exchange of money or other thing of value for sphase neither directly nor indirectly entered into an bidders, having for its object the controlling of the bids or bidders, the parceling or farming out to a contract or any part of the profits thereof and that	id on behalf of the bidder named therein for the IDIAN COUNTY, OKLAHOMA, that he had lawful author to any collusion among bidders in restraint of freedom or to refrain from bidding; or with any State or County be in the prospective contract, or any other terms of said seen bidders and any State or County officials concerning becial consideration in the letting of a contract; said bidding agreement, express or implied, with any bidder or exprise or amount of such bid or bids, the limiting of the my bidder or bidders, or other persons of any part of the latter those having a partnership or other financial	rity of d g er
If partnership, give name and address of each partner		
	Ву:	
	Address:	
	Incorporated under the laws of the State of:	
Subscribed and sworn to before me this d	lay of, 20	
(SEAL)	Notary Public	
	My Commission Expires:	

# NON-COLLUSION AFFIDAVIT

To Accompany Contractor's Bid

STATE OF	)
COUNTY OF	) ss: )
	_(Contractor's Authorized Agent), of lawful age, being
first duly sworn upon his/her oath, states:	
purpose of certifying the facts pertaini bidders or between bidders and munic to the giving or offering of things of	(Bidder's ting the attached competitive bid (the "bid"), for the ing to the existence or nonexistence of collusion among cipal officials or employees, as well as facts pertaining value to government personnel in return for special tract associated with the bid attached to this document;
•	umstances surrounding the making of the bid and have I in the proceedings leading to the submission of such
Any collusion among bidders to restrative fixed price or to refrain from bidding; to quantity, quality, or price in the bid such bid or contemplated contract; n	to the bidder's direction or control has been a party to: ain the freedom of competition by agreement to bid at a Any collusion with any county official or employee as d or contemplated contract, or as to any other terms of nor any discussions between bidders and any county exchange of money or other thing of value for special templated contract.
Further, Affiant saith not.	
	Signature of Authorized Agent
	Title (printed)
Subscribed and sworn to before me this	day of, 20
(SEAL) My commission expires:	
	Notary Public

# BUSINESS RELATIONSHIP AFFIDAVIT

To Accompany Contractor's Bid

STATI	E OF)				
COUNTY OF					
first du	(Contractor's Authorized Agent), of lawful age, being ally sworn upon his/her oath, states:				
	I am the duly authorized agent of(Bidder's any Name), the bidder submitting the attached competitive bid (the "bid").				
2.	My position in the above named company is				
	Affiant further states the nature of any partnership, joint venture, or other business aship presently in effect, or which existed within one (1) year prior to the date of this vit, with the architect, engineer, or other party to the project is as follows:				
	(if none, so state)				
	Affiant further states that any such business relationship presently in effect or which existed one (1) year prior to the date of this Affidavit between any official or director of the ectural or engineering firm or any other party to the project is as follows:				
	(if none so state)				
	(if none, so state)				
5. and the	Affiant further states that the names of all persons who have any such business relationship e positions they hold with their respective companies or firms are as follows:				
	CD 0 040				

(if	none, so state)	
Further, Affiant saith not.		
	Signature of Authorized Age	ent
	Title (printed)	
Subscribed and sworn to before me this	day of	, 20_
(SEAL) My commission expires:		
<del></del>	Notary Public	· · · · · · · · · · · · · · · · · · ·

# **CONSTRUCTION CONTRACT**

This Contract is made and entered into this day of, 20, by and between
Canadian County, Oklahoma hereinafter called "County and
a(n), hereinafter called "Contractor."
WITNESSETH
WHEREAS, in accordance with the state law and the Public Competitive Bidding act of 1974, of Okla. Stat. §§ 101 et seq. (hereinafter collectively referred to as "state law"), the County has caused to prepared certain plans, specifications, and other bidding documents (the "Bidding Documents") for the wo hereinafter described; and,
WHEREAS, in accordance with state law, the County has approved and adopted all of said Biddin Documents and has caused an Invitation to Bid to be given and advertised and has received sealed bids for the furnishing of all labor and materials for:
Canadian County Bridge Project CN 24 09E0090N2850005 as outlined and set out in the Bidding Documents and in accordance with the terms and provisions of the Contract; and,
WHEREAS, Contractor, in response to said Invitation to Bid, has submitted to the County, in the manner and at the time specified, a sealed bid in accordance with the terms of the Bidding Documents; and
WHEREAS, the County, in the manner provided by state law, has publicly opened, examined are canvassed the bids submitted and has determined and declared the above-named Contractor to be the lower responsible bidder on the above described project; and,
WHEREAS, the County has duly awarded this Contract to said Contractor, for the sum named in the bid, to-wit:
Dollars and Cents spelled out here (\$ . ).
NOW THEREFORE, in consideration of the mutual promises, covenants, and conditions herein state

NOW THEREFORE, in consideration of the mutual promises, covenants, and conditions herein stated and in consideration of the mutual benefits, which will accrue to the parties, the sufficiency of which is acknowledged by the parties, the parties agree as follows:

1. <u>Incorporation of Bidding Documents</u>. This Contract hereby incorporates, as if fully set out herein, the Plans, Specifications, General Provisions, Special Provisions, Contractor's Proposal and any and all Addendums issued. All of these documents have been provided to and/or by the Contractor and are on file in the Office of the County Clerk. Hereinafter, these documents shall be collectively referred to as "Bidding Documents."

- 2. <u>Engagement of Contractor</u>. The County hereby engages Contractor to perform certain construction services for the benefit of the County. Contractor accepts such engagement pursuant to the terms and conditions set forth herein.
- 3. <u>Scope of Engagement</u>. Contractor shall, in a good and first-class, workmanlike manner, at its own cost and expense, furnish all labor, materials, tools and equipment required to perform and complete said work in strict accordance with the Bidding Documents, with the following additions and/or exceptions: (if none, so state.)

(NONE)

- 4. Payments to Contractor. The County shall make payments to the Contractor in the following manner:
  - a. On or about the first (1st) day of each month, the Engineer, or other appropriate person, will make accurate estimates of the value, based on contract prices, of the work done and materials incorporated in the work and of materials suitably stored at the site thereof during the preceding calendar month. The Contractor shall furnish to the Engineer such detailed information as he may request to aid him as a guide in the preparation of the monthly estimates. Ninety-five percent (95%) of such estimated sum shall be paid to the Contractor within five (5) days after the first regularly scheduled meeting of the County of the following month.
  - b. On completion of the work, but prior to the acceptance thereof by the County, it shall be the duty of the Engineer for the County, or other appropriate person, to determine that said work has been completely and fully performed in accordance with this Contract and all incorporated documents; and upon making such determination, said official shall make his final certification to the County.
  - c. The Contractor shall furnish proof that all claims and obligations incurred by him in connection with the performance of said work have been fully paid and settled; said information shall be in the form of an affidavit, which shall bear the approval of the surety on the contract bonds, for payment of the final estimate to the Contractor; thereupon, the final estimate (including retainage, but less any liquidated damages), will be approved and paid, within five (5) days after the first regularly scheduled meeting of the County of the following month.
- 5. <u>Bargaining</u>. The County and the Contractor have had the opportunity to seek independent legal counsel before entering into this Contract. The language of this Contract shall be construed simply, according to its fair meaning, and not strictly for or against either party.
- 6. <u>Third Party Beneficiaries</u>. Nothing in this Contract, expressed or implied, is intended to confer upon any person other than the parties hereto and their respective assigns, any rights or remedies under or by reason of this Contract, except as provided expressly herein.
- 7. <u>Notices</u>. Whenever a notice is required to be given in writing and under the terms of this Contract, or any extension hereunder, such notice shall either be hand-delivered or mailed by certified mail, return receipt requested, and directed to the respective parties at the following addresses:

	If to the County:	If to Contractor:	
	Canadian County Commissioners Canadian County Courthouse, 201 N. El Reno, OK 73036	Choctaw Ave.,	
	or at such other address as a party shall be effective on the date of delivery.	specify by like notice to the other party hereto. Notices shall	
8.	signed and delivered to the other at leas original, and when taken together with	ecuted in any number of counterparts, and when each party hat one (1) such counterpart, each counterpart shall be deemed another signed counterparts, shall constitute one (1) agreement not be binding upon the parties hereto until signed by all of the	
9.	Integration and Amendments. This Contract constitutes the entire agreement between the parties an may not be amended, altered, modified or changed in any way except in writing signed by all parties this Contract and which specifically references this Contract. There are no other agreements representations or warranties, whether oral or written, regarding the subject matter of this Contract No course of dealings involving the parties hereto and no usage of trade shall be relevant or admissible to interpret, supplement, explain or in any way vary any of the terms expressly set forth in this Contract. Any amendment to this Contract shall be attached to this Contract and all of the terms in this Contract not addressed in the amendment shall remain in full force and effect.		
10.	Binding Effect. This Contract binds th	e parties and any successors and assigns of the parties.	
11.	Severability. If any one or more of the reason, the invalidity of such section, applicability and validity of any other p	sections, sentences, clauses, or parts be held invalid for any sentence, clause, or part shall not affect nor prejudice the rovision of this Contract.	
year la	IN WITNESS WHEREOF, the parties I st written below.	ereto have caused this Contract to be executed on the day and	
Date:		Canadian County Commissioners,	
(SEAL	.)	Chairman	
ATTES	ST:		
County	/ Clerk	_	

Approved as to form:	
District Attorney	
Date:	
	a(n)
	Signature
	Printed Name
ATTEST:	Title
Secretary and/or Witness	
State of Oklahoma ) ) ss. County of)	
agent authorized by the Contractor to submit the about that Contractor has not paid, given or donated, or ag	e, being first duly sworn, on oath, says that (s)he is the ove Contract to Canadian County. Affiant further states reed to pay give or donate to any officer or employee ong, either directly or indirectly, in the procuring of this
	Signature
	Printed Name/Title
Subscribed and sworn to before me this	day of,
(SEAL)	
<del></del>	Notary Public
My Commission Expires:My Commission Number:	

# **MAINTENANCE BOND**

KNOW ALL MEN BY THESE PRESENT,	that	,Principal,
and, a corporation	n organized under the laws of the State of	
and, a corporation and authorized to transact business in the State of	of Oklahoma, as Surety, are held firmly bound	unto Canadian
County, in the penal sum of	Dollars (\$	) in lawful
money of the United States of America, said sum		
truly to be made, we bind ourselves and each of u		es, successors,
and assigns, jointly and severally, firmly by these		
Dated this day of		
The condition of this obligation is such that		
WHEREAS, said Principal entered into, 20, for:	a written contract with Canadian C	County, dated
Cana	edian County	
	adian County	
Brid	dge Project	
	CN 24	
09E00	090N2850005	
all in compliance with the plans and specification Office of the County Clerk, located in the County		
	<b>3 </b> , <b></b>	
NOW, THEREFORE, if said Principal shall damage, loss, and expense which may result	Il pay or cause to be paid to Canadian County by reason of defective materials and/or w	
connection with said work, occurring within a peri- by Canadian County, Oklahoma; then this obligat	od of one (1) year from and after acceptance	e of said project
force and effect.	tion shall be fiull and void, otherwise to be an	id remain in full
	ood by the parties hereto that no changes or al	
contract and no deviations from the plan or mode the sureties, or any of them, from the obligations		ectorreleasing
IN WITNESS WHEREOF the said Princin	pal has caused these presents to be executed	l in its name and
its corporate seal to be hereunto affixed by its dul		
presents to be executed in its name and its corporauthorized so to do, the day and year first above	orate seal to be hereunto affixed by its attorn	
	Principal:	
	Ву:	
	Title	
(SEAL) ATTEST:		
Secretary	_	
Georgially	Surety:	
	By:	
	Attorney-in-Fact	

# **PERFORMANCE BOND**

KNOW ALL MEN BY THESE PRESENT,	that	, Principal,
and, a corporation	on organized under the laws of the State of	<u> </u>
and, a corporation and authorized to transact business in the State		
County, Oklahoma, in the penal sum of		Dollars (\$
_) in lawful money of the United States of Americ	a, for the payment of which, well and truly to be	made, we
bind ourselves and each of us, our heirs, executo and severally, firmly by these presents.	rs, administrators, trustees, successors, and ass	igns, jointly
	20	
Dated this day of The condition of this obligation is such that	, 20 at·	
	written contract with Canadian County Oklahom	a.
dated, 20,		
Cana	ndian County	
	dge Project	
	CN 24	
09E0	090N2850005	
all in compliance with the plans and specification Office of the County Clerk, located in the County		n file in the
NOW, THEREFORE, if said Principal shall by said contract and each and every covenant, coupon said principal by the terms of said contract a harmless Canadian County, Oklahoma from any covenants and conditions of said contract restin void, otherwise to be and remain in full force and	and specifications and if said principal shall protect pecuniary loss resulting from the breach of any o g upon said principal, then this obligation shall t	ons resting of and save f the items,
It is further expressly agreed and understocontract and no deviations from the plan or mode the sureties, or any of them, from the obligations		
IN WITNESS WHEREOF, the said Principits corporate seal to be hereunto affixed by its dulpresents to be executed in its name and its corporauthorized so to do, the day and year first above	orate seal to be hereunto affixed by its attorney-in	used these
	Principal:	
	By:	
	Title	
(SEAL)		
ATTEST:		
Secretary	_	
·	Surety:	
	Bv.	
	Attorney-in-Fact	
	By: Attorney-in-Fact	

# STATUTORY BOND

KNOW ALL MEN BY THESE PRESENT	, that
Principal, and	, a corporation organized under the laws of the State of
and authorized to transact business in	, a corporation organized under the laws of the State of the State of Oklahoma, as Surety, are held firmly bound unto
Canadian County, Oklahoma, in the penal sum	ofDollars (\$
) in lawlul money of the United State	es of America, for the payment of which, well and truly to be
made, we bind ourselves and each of us, our h	neirs, executors, administrators, trustees, successors, and
assigns, jointly and severally, firmly by these pre	
Dated this day of The condition of this obligation is such that	, 20
	at. । written Contract with Canadian County Oklahoma,
dated, 20	for:
	, 101.
Cana	adian County
Driv	dge Project
	CN 24
09E0	090N2850005
all in compliance with the plans and specification	ns therefor, made a part of said contract and on file in the
Office of the County Clerk, located in the County	Courthouse Building in El Peno. Oklahama
omes of the obunty olone, located in the obunty	Coditiouse building in El Nello, Oklahoma.
NOW, THEREFORE, if said Principal sh	all fail or neglect to pay all indebtedness incurred by said
Principal or subcontractors of said Principal who	performs work in the performance of such contract, for labor
and materials and repairs to and parts of equipme	ent used and consumed in the performance of said contract
within thirty (30) days after the same becomes	due and payable, the person, firm, or corporation entitled
thereto may sue and recover on this bond, the a	mount so due and unpaid.
It is further expressly agreed and understo	ood by the parties hereto that no changes or alterations in said
contract and no deviations from the plan or mode	of procedure herein fixed shall have the effect of releasing
the sureties, or any of them, from the obligations	s of this bond.
IN WITNESS WHEREOF, the said Princin	pal has caused these presents to be executed in its name and
its corporate seal to be hereunto affixed by its dul	y authorized officers, and the same Surety has caused these
presents to be executed in its name and its corpo	prate seal to be hereunto affixed by its attorney-in-fact, duly
authorized so to do, the day and year first above	written.
•	
	Principal:
	_
	By:
(SEAL)	Title
ATTEST:	
7111201.	
Secretary	-
·	Surety:
	•
	By:
	Attorney-in-Fact

# **NOTICE TO PROCEED**

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	u	J	

FROM: Canadian County Commissioners, Canadian County, Oklahoma

YOU ARE HEREBY NOTIFIED that all contract documents have been executed and accepted in relation to the contract on

# Canadian County Bridge Project CN 24 09E0090N2850005

entered into on the day of	<sub>-</sub> , 20, by and betwee	en the County and
	and that work	may now be commenced in
accordance with said Contract. With a	contract time of 120	calendar days, the completion
date is the day of	, 20	
DATED at Canadian County, Oklahoma	this day of	, 20
	Canadian County Co	ommissioners, Canadian County, Oklahoma
	_	
	Ву:	
	Chairm	nan

cc: County Clerk

# **INVOICE AFFIDAVIT**

STATE OF	)
	) SS.
COUNTY OF	)
sworn, on oath says that this invoice, claim services, or materials as shown by this invo- the plans, specifications, orders or request no payment, given or donated or agreed	oplier, engineer, or supervisory official) of lawful age, being first duly or contract is true and correct. Affiant further states that the work, pice or claim have been completed or supplied in accordance with s furnished to the affiant. Affiant further states that (s) he has made to pay, give or donate either directly or indirectly to any elected Oklahoma, of money or any other thing of value to obtain payment
	Canadian County Bridge Project CN 24 09E0090N2850005
Project Name	<del></del>
Project No.	
	Signature - Contractor or Supplier
	Company Name (Print or Type)
	Address
	City, State, Zip
Subscribed and sworn to before me this _	day of, 20

\_\_\_\_\_, Notary Public

My Commission Expires:\_\_\_\_



# **Bid Specifications**

Date Issued:

April 11, 2016

Bid Number:

2016-#17

Closing Date:

May 6, 2016 at 4:00pm

PO Box 458, 201 N. Choctaw Ave., El Reno, OK 73036

Opening Date:

May 9, 2016 at 9:30am

Commissioner's Meeting Room, 201 N. Choctaw Ave., El Reno, OK 73036

#### ~ SPECIFICATIONS~

### Bridge Project / Canadian County District #1

Canadian County District #1 is seeking bids for the Bridge Project for CN 24 09E0090N2850005.

#### SEE PLANS AND SPECIFICATIONS.

For Information Contact:

Justin Atkinson, District #1 Foreman

Phone: (405) 262-4673

Hours: Monday - Friday 7:00am to 3:00pm

Address: 1103 N Shepard Avenue, El Reno, OK 73036

If you have any questions or need additional information, please contact: Sherry Murray, Purchasing Agent, 405.295.6125 or 405.422.2441 smurray@okcana.cogov.net

# Plan of Proposed COUNTY BRIDGE FOR BRIDGE PLANS

BRIDGE STRUCTURE NO. 09E0090N2850005 LOCAL NO. 024 NBI NO. 01222

INDEX OF SHEETS

DESCRIPTION SHEET NO.

TITLE SUMMARY OF PAY QUANTITIES & GENERAL NOTES

ABUTMENT I-BEAM SUPERSTRUCTURE

PIER DETAIL TR2-2-00E

STATE OF OKLAHOMA CANADIAN COUNTY FILED OR RECORDED

APR 1 1 2016

SHELLEY DICKERSON COUNTY CLERK

160186

BRIDGE LENGTH= 120 FT

BRIDGE LENGTH\_ \_ \_ \_ \_ \_ 120.00 FT. PROJECT LENGTH\_ \_ \_ \_ \_ \_ \_ 120.00 FT. EXCEPTIONS \_ \_ \_ \_ NONE EQUATIONS \_ \_ \_ NONE

TYLER D. SCHRODER REGISTERED PROFESSIONAL

CANADIAN COUNTY COMMISSIONERS

CIRCUIT ENGINEERING DIST. 8

2901 N. VAN BUREN ENID, OK 73703 (580) 237-4810

CONVENTIONAL SIGNS

Press\_R/W

PROFILE HOR. 1"=50" VER. 1"=5" LAYOUT MAP 1"=5,280"

SECTION LINES QUARTER SECTION LINES GROUND LINE EXISTING ROADS GRADE LINES TELEPHONE & TELEGRAP OIL WELLS BUILDINGS

DRAINAGE STRUCTURES—NEW RIGHT—OF—WAY LINES—EXISTING

CONTROLLED ACCESS

RIGHT-OF-WAY FENCE

RIGHT-OF-WAY MARKERS-IN PLACE RIGHT-OF-WAY MARKERS-REMOVE & RESET PROJECT LENGTHS BASED ON CRL

"2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION-ENGLISH GOVERN., APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, JANUARY 4, 2010."

#### GENERAL NOTES

The road will be closed to traffic during construction of the bridge. Type III barricade and advance warning signs will be required at each end of the bridge construction zone and at road intersections each side of Bridge site. The county shall be responsible for placement and maintenance of all construction signs, barricade, lights, etc. according to the standards set forth in the Manual on Uniform Traffic Control Devices, 2009 Edition. All cost of necessary items for construction signing will be included in other items of work.

All construction and materials shall be in accordance with the 2009 Oklahoma Standards Specifications for Highway Construction.

Equipment for driving piles shall meet the requirements of Section 514.03 of the Standard Specifications. Length of piling shown is estimated. Piling under bridge seat shall have a capacity of 30 tons. Piling buildups, if required, will be paid for at the unit price bid for steel piling.

Bidders shall be responsible for the construction of the bridge using materials provided by the county.

The bid is good until the completion of the project.

The Top of Deck elevation should be approximately 30 feet above the Flowline elevation of the creek.

All material shall be new and delivered to the project site.

The new bridge alignment is to be approved by the County Commissioner or the Engineer.

Upon the completion of the abutments and prior to hanging the bridge beams, the contractor shall notify the county and allow them a minimum of 3 working days to place riprap around the abutments.

#### CONSTRUCTION NOTES

- (1) THIS PAY ITEM IS TO BE BID FOR EACH ADDITIONAL FOOT OF PILING NEEDED OVER PLAN QUANTITY. QUANTITY ESTIMATED AT 40' ASSUMING A 40' PIECE.
- (2) QUANTITY CALCULATED AT 40' ASSUMING 20' PIECES, INCLUDES 7' FOR WASTE.
- (3) QUANTITY CALCULATED AT 40' ASSUMING 20' PIECES, INCLUDES 2' FOR WASTE.
- (4) QUANTITY CALCULATED AT 640' ASSUMING 20' PIECES, INCLUDES 28' FOR WASTE.
- (5) QUANTITY CALCULATED AT 80' ASSUMING 20' PIECES, INCLUDES 17' FOR WASTE.
- (6) QUANTITY CALCULATED AT 220' ASSUMING 20' PIECES, INCLUDES 16' FOR WASTE.
- (7) QUANTITY CALCULATED AT 1880' ASSUMING 20' PIECES, INCLUDES 270' FOR WASTE.
- (8) QUANTITY CALCULATED AT 160' ASSUMING 20' PIECES, INCLUDES 18' FOR WASTE.
- (9) QUANTITY CALCULATED AT 3640' ASSUMING 20' PIECES, INCLUDES 49' FOR WASTE.
- (10) QUANTITY CALCULATED AT 15,980' ASSUMING 20' PIECES, INCLUDES 438' FOR WASTE.
- (11) QUANTITY CALCULATED AT 540' ASSUMING 20' PIECES, INCLUDES 0' FOR WASTE.
- (12) 155 2" CONTINUOUS SLAB BOLSTERS MAY BE SUBSTITUTED FOR 4" REBAR CHAIRS. BOLSTERS ASSUMED TO BE 5' LONG.
- (13) THE PAY ITEM "TUBULAR RAIL" IS TO INCLUDE ALL HARDWARE REQUIRED TO ATTACH THE TWO 12 GA. W BEAM MEMBERS WELDED AS SHOWN IN STANDARD TR2-2.
- (14) QUANTITY IS ESTIMATED AS 88 SHEETS OF 1'-7 5/8" WIDE X 35' LONG.
- (15) THE PAY ITEM "DECK FORM" IS TO BE PRIME MATERIAL MEETING PLAN SPECIFICATIONS. QUANTITY IS ESTIMATED AS 41 SHEETS OF 24' LONG X 3' WIDE.
- (16) QUANTITY CALCULATED AT 250' ASSUMING 25' PIECES, INCLUDES 23' FOR WASTE.
- (17) QUANTITY CALCULATED AT 95 C.Y., INCLUDES 6 C.Y. FOR WASTE. CLASS AA CONCRETE SHALL INCLUDE THE COST OF BOTH PURCHASING AND PLACING THE CONCRETE.
- (18) THIS PAY ITEM IS TO BE BID FOR EACH ADDITIONAL FOOT OF PILING DRIVEN OVER PLAN QUANTITY
- (19) THIS PAY ITEM CONSISTS OF REMOVAL AND DISPOSAL OF THE 196' LONG X 16' WIDE STRUCTURE. ALL MATERIAL SHALL BECOME PROPERTY OF THE CONTRACTOR.

#### RESPONSIBILITIES OF COUNTY FORCES

Moving and replacing fence if required. Providing for relocation of utilities, if necessary. Obtaining right—of—way if required. Placing guardrail beyond bridge ends. Placing approach embankments and surface. Providing 10—33".130# x60' long Beams to the project site. Placing riprap along channel and under bridge.

Contractor to call Okie 1-800-522-6543 for utility location before construction begins.

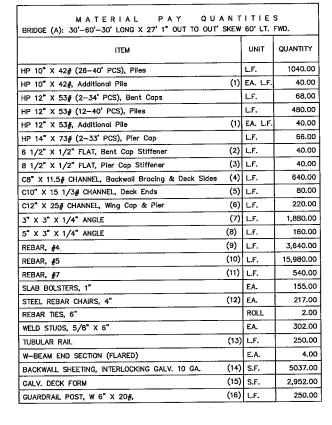
#### DESIGN DATA

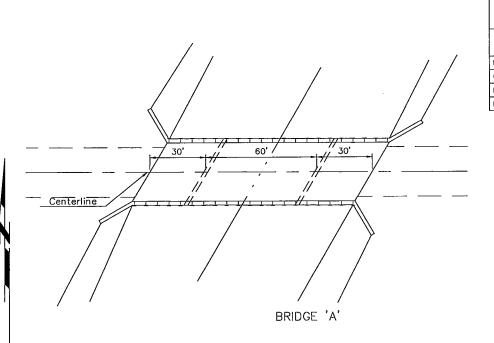
CONCRETE: CLASS 'AA'
REINFORCING STEEL: (GR. 60)
STRUCTURAL STEEL: (A 36)
STRUCTURAL STEEL: (BEAMS)
LOADING: HS-20-44

fy=60,000 psi fy=36,000 psi fy=36,000 psi

f'c=4,000 psi

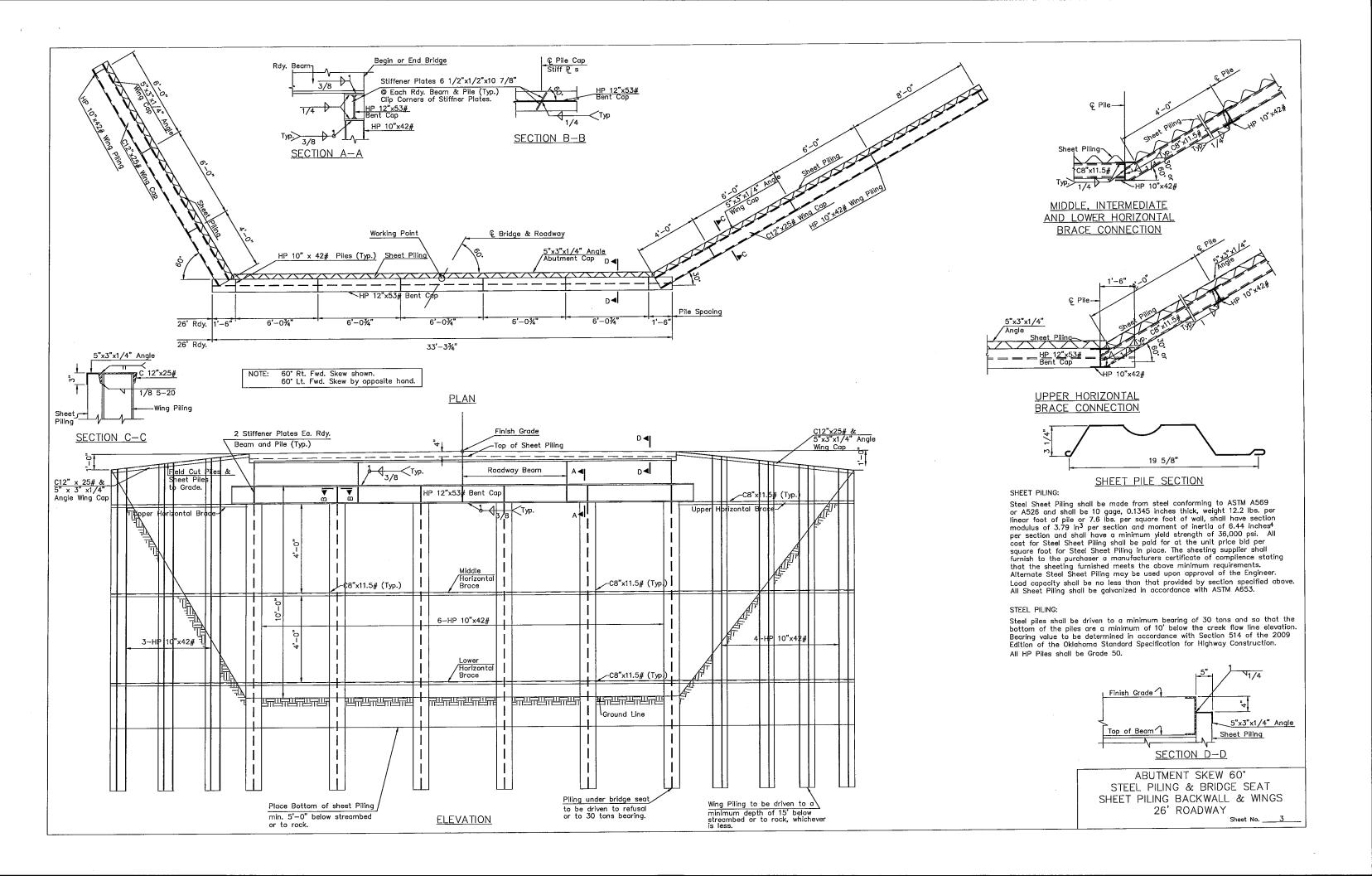
DESIGN—AASHTO Standard Specifications for Highway Bridges 1999 and American Welding Society Specifications

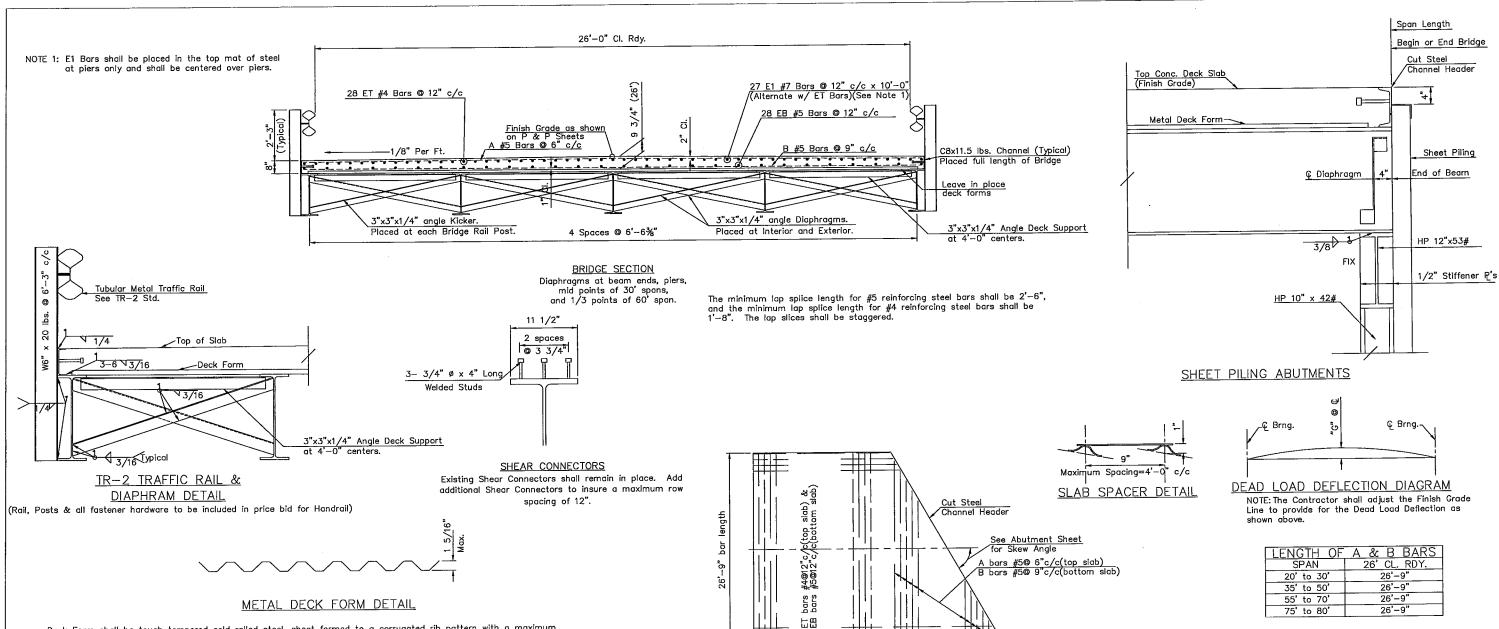




C O N S T R U C T I O N P A Y Q U BRIDGE (A): 30'-60'-30' LONG X 27' 1" OUT TO OUT' SKE		
ITEM	UNIT	QUANTITY
BRIDGE CONSTRUCTION LABOR	L. SUM	1.00
CLASS AA CONCRETE & FINISHING (17	C.Y.	95.00
PILE DRIVING BEYOND PLAN QUANTITY (18	L.F.	40.00
REMOVAL OF EXISTING BRIDGE STRUCTURE (19	L. SUM	1.00

GENERAL NOTES

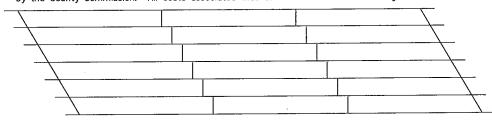




Deck Form shall be tough tempered cold rolled steel, sheet formed to a corrugated rib pattern with a maximum depth of 1 5/16". The steel shall have an average minimum yield strength of not less than 80,000 psi. Steel shall conform to A653, Grade E with Zinc coating conforming to ASTM A525 G90. Deck Form shall have a minimum Moment of Inertia = 0.204 in/ft and a minimum Section Modulus = 0.119 in./ft. Deck Form sections shall be placed with ribs parallel to beams and with side laps down. Allow 3" for end laps and center all end laps over supports. Do not allow bottom sheets to extend beyond edge of support flange. Install adjacent rows end to end, side lapping one corrugation rib with previously placed section.

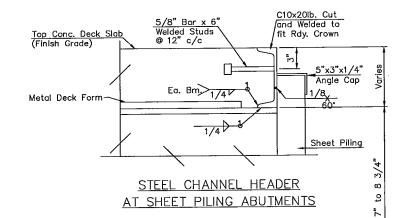
Deck Form material shall be electric arc welded to the supporting steel beams and supports and adjoining deck sheets in accordance with manufacturer's specifications. Weld shall not exceed 12" on center at end lap joints and 18" on center on beams. All skew cutting shall be done in the field.

Deck Forms shall have holes field cut to allow shear connectors to protrude through the forms. Do not flame cut. Alternate stay—in—place forms may be used provided they are prepared by a registered engineer and approved by the County Commission. All costs associated with the use of an alternate design shall be at the contractors expense.



NOTE:Interior Diaphrams to be located at mid span for 20', 25', 30', 35', and 40' spans and at 1/3 span points for 45', 50', 55', and 60' spans and at 1/4 span points for 65', 70', 75', and 80' spans.

DIAPHRAM LOCATIONS-SKEWED BRIDGE



28

**TYPICAL** 

SLAB REINFORCING

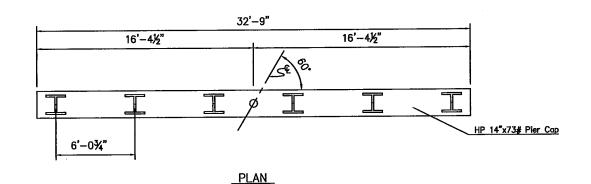
FOR SKEWED BRIDGE

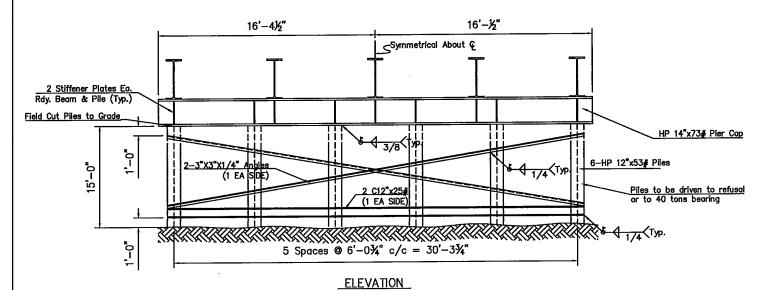
CONCRETE DECK SLAB:
Class "AA" Concrete and Maximum Aggregate 1" Ø. All construction shall conform to the 2009 Oklahoma Standard Specifications. Surface of roadway shall slope 1/8" per foot each way from centerline of bridge. Transverse reinforcing steel in the floor shall begin and end a maximum of 2" from end of concrete panels. All reinforcing steel bars in top of slab shall be supported on approved metal high chairs. The spacing of the high chairs shall be a maximum of 4"-0" on center. Bottom layers of reinforcing steel shall be supported on continuous steel slab spacers as shown. Longitudinal bars shall begin and end 1" from end of slab.

#### DESIGN DATA

CONCRETE:	CLASS "AA" HIGH EARLY	f'c=4,000 psi
REINFORCING STEE	L: (Gr. 60)	fy=60,000 psi
STRUCTURAL STEE	L: (A 36)	fy=36,000 psi
STRUCTURAL STEE		fy=33,000 psi
	COMPRESSIVE STRENGTH FOR CL	ASS AA HIGH EARLY
CONCRET	E SHALL BE 4,000 psi AT 28 DA	YS.
LOADING HS 20-4	4	

I-BEAM SUPERSTRUCTURE COMPOSITE CONCRETE DECK 26' CL. RDY. 60° Rt. Fwd. details are shown. 60° Lt. Fwd. details by opposite hand.



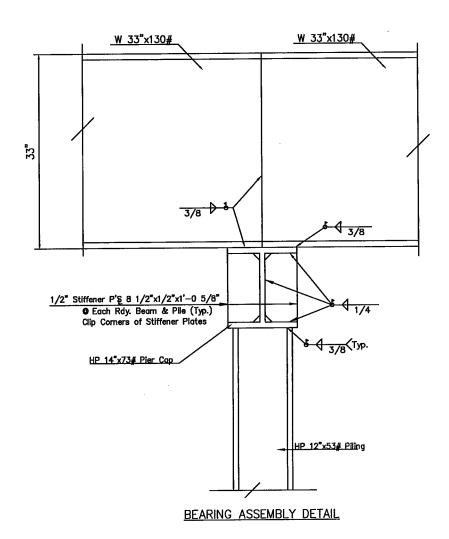


#### NOTE:

The Height of the Pier may be adjusted in the field.

The Height of the Pier may not exceed 1/2 of the Pile Length.

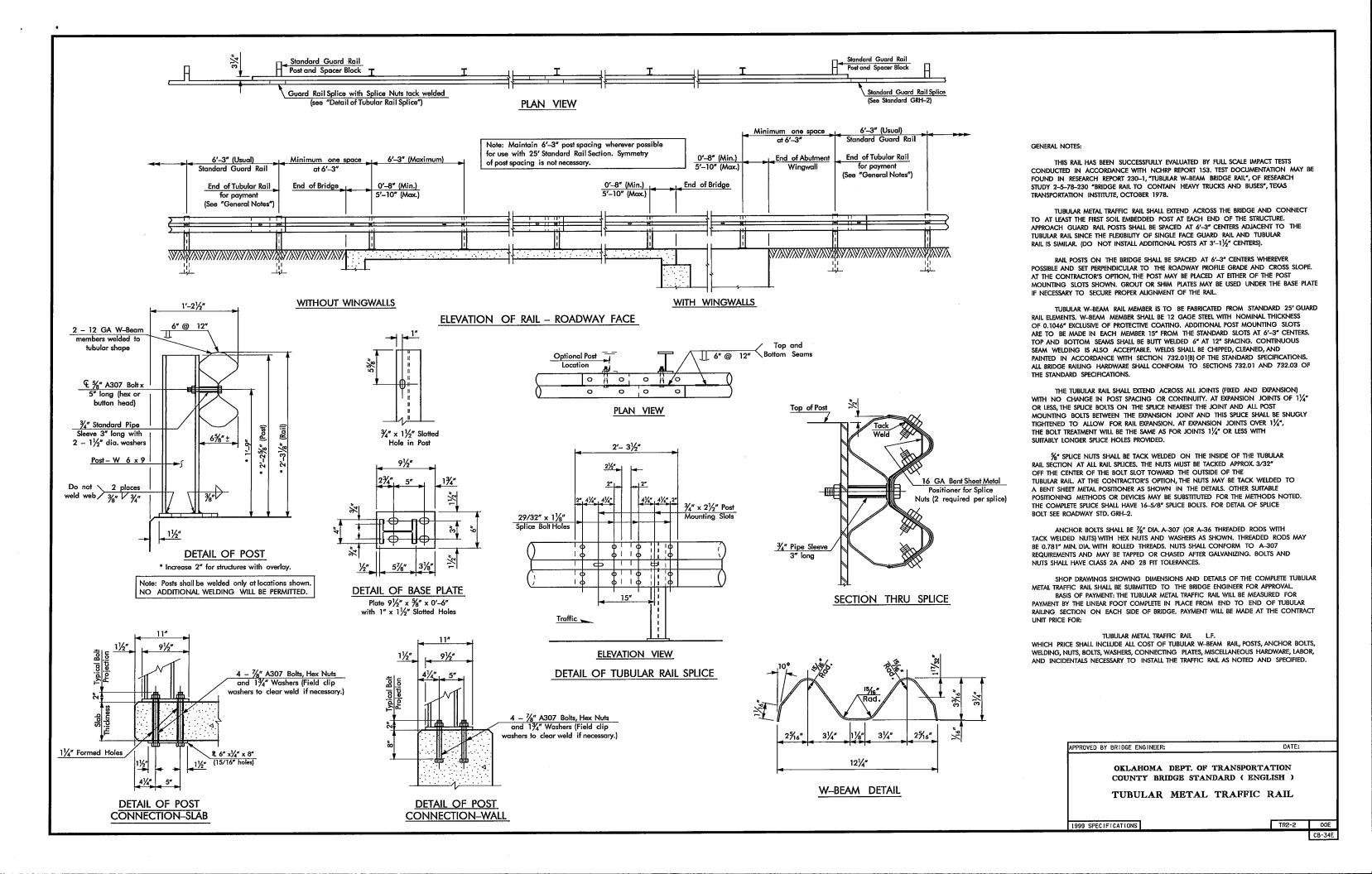
The Height of the Pier may not exceed 15 feet measured from ground line to the bottom of the Pier Cap.



Design Drawn T.D.S. Checked CED8

PIER DETAIL

Sheet No. \_\_\_\_5\_\_





# Affidavit / Proof of Mailing

Date Issued:

April 11, 2016

Bid Number:

2016-#17

Closing Date:

May 6, 2016 at 4:00pm

PO Box 458, 201 N. Choctaw Ave., El Reno, OK 73036

Opening Date:

May 9, 2016 at 9:30am

Commissioner's Meeting Room, 201 N. Choctaw Ave., El Reno, OK 73036

~ AFFIDAVIT~

#### Bridge Project / Canadian County District #1

State of Oklahoma ) County of Canadian ) §

I, Sherry Murray, Purchasing Agent, in and for said County and State, do hereby certify that "Invitations to Bid" were sent to the following:

BidClerk

projects@bidclerk.com

Bid News

projects@isqft.com

Dietz

252021 E County Road 40 Cleo Springs, OK 73729

ePlan

4115 South Providence, Suite 105

Columbia, MO 65203

Francis Tuttle Vo-Tech Center

Attn: Bid Assistant - Judy Robbins

12777 N Rockwell

Oklahoma City, OK 73142

Gable Construction Services 12345 SW 44<sup>th</sup>

Mustang, OK 73064

**K&O** Construction PO Box 1845

Enid, OK 73702

K & R Builders

8020 SW 74<sup>th</sup> Street

Oklahoma City, OK 73169

MTZ Construction Attn: Jose Martinez 3545 SW 37th Street

Oklahoma City, OK 73119

Online Data Services

3295 River Exchange Drive, Suite 213

Norcross, GA 30092

Railroad Yard PO Box 2283

Stillwater, OK 74076

Reed Construction Data

30 Technology Pkwy South, Suite 100

Norcross, GA 30092

Riverridge Construction riverridge74647@yahoo.com

Sherry Murray, Purchasing Agent

Smith, CD Construction Inc. 1074 Cumberland Mansion

Yukon, OK 73099

Witness my hand and seal this 11th day of April, 2016.

(SEAL)

www.canadiancounty.org



# **BID CHECKLIST**

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#### TO HELP PREVENT BIDS FROM BEING REJECTED FOR LACK OF COMPLETION PLEASE CHECK FOR THE FOLLOWING:

Is the Invitation to Bid Signed and Notarized?
Are all applicable spaces filled in?
Are all necessary papers enclosed?
Is the Bid # and Opening Date on outside of return envelope?
Thank You,
Sherry Murray, Purchasing Agent