

PUBLIC NOTICE

THE PURCHASING AGENT FOR GARVIN COUNTY WILL ACCEPT SEALED BIDS FOR THE CONSTRUCTION OF LOCAL BRIDGE 023 LOCATED IN GARVIN COUNTY COMMISSIONER DISTRICT 1. SPECIFICATIONS MAY BE PICKED UP AT THE COUNTY CLERK'S OFFICE, COURTHOUSE, 2ND FLOOR, PAULS VALLEY, OKLAHOMA, 405-238-2843. BIDS WILL BE OPENED MONDAY, APRIL 24, 2017 AT 10:30 A.M. THE BOARD OF GARVIN COUNTY COMMISSIONER RESERVES THE RIGHT TO ACCEPT OR REJECT ANY AND ALL BIDS.

LORI FULKS
GARVIN COUNTY CLERK

BRIDGE #023
Bid #22
Garvin County District 1
Bridge Construction

Garvin County Commissioner District 1 is requesting sealed bids for construction of Bridge #023.

Contractor will furnish all necessary equipment and labor, along with all warning signs and liability insurance for safety; and prevent any liability against Garvin County while work is in progress. All work will be subject to inspections by Garvin County and will require one (1) year maintenance and work performance bond. Work can begin when all bonds are on file in the County Clerk's Office and County Commissioner is ready.

MAINTENANCE OF TRAFFIC: All work shall be performed in accordance with the Manual on Uniform Traffic Control Devices (MUTCT). The successful bidder shall furnish and place all warning devices and other traffic control devices required to direct control and protect the traveling public during the complete process of the bridge construction.

INDEMNIFICATION: The Company hereby agrees to assume all risks and responsibilities inherent in performing the contracted services and does hereby agree to defend, hold harmless, indemnify, release and forever discharge Garvin County and any of its officers, agents, employees, volunteers and servants from and against any all claims, demands, and actions, causes of action, losses liabilities, or expenditures of any kind, including court cost and expenses, accruing or resulting from any suits or damage of any character resulting from injuries, damages, or death sustained by any person or persons, or property, by virtue of the performance of this agreement either directly or indirectly.

BONDS: All bids must contain a letter of intent from a bonding company authorized to do business in the State of Oklahoma stating its willingness to bond the Contractor pursuant to the terms of any contract resulting from the Invitation To Bid.

- The contractor shall procure and maintain, at the Contractor's expense, a Performance Bond for the period of the contract project, including a one (1) year maintenance and work performance bond.
- *Certificates evidencing the effective dates and amounts of such bond must be provided to Garvin County.*
- This information shall be provided to Garvin County not later than fifteen workdays, from the date of award of the term contract.
- The contractor is to supply Garvin County with evidence of having and maintaining proper and complete insurance, specifically Worker Compensation in accordance with the laws of the State of Oklahoma, public liability and property damage insurance in the amount of \$1,000,000.00
- All premiums and cost shall be paid by the Contractor.
- ***In no way will Garvin County be responsible in case of an accident.***

MISCELLANEOUS:

- District 1– will be responsible for the removal and disposal of existing bridge.

MANDATORY MEETING: MEETING TO BE HELD AT BRIDGE 023 LOCATION
 DIRECTIONS TO BRIDGE 023
 I35 EXIT 79, 1.25 MILES WEST

DATE: April 11, 2017 TIME: 10:00 AM

Any questions concerning this bid should be directed to: Stan Spivey, Garvin Co Commissioner District 1, 405-867-4409.

BRIDGE #023-CONSTRUCTION TOTAL:

ESTIMATED START DATE :

ESTIMATED COMPLETION DATE:

Vendor Name:_____

Contact Number:_____

GARVIN COUNTY, OKLAHOMA
GARVIN COUNTY PURCHASING OFFICE

201 W. Grant, Room 10
P.O. BOX 926
PAULS VALLEY, OKLAHOMA 73075
(405) 238-2843

DATE OF INVITATION: APRIL 3, 2017

INVITATION TO BID: LOCAL BRIDGE NO. 023

Please review terms and conditions on second page relating to submission of this bid.
Notarized Affidavit completions and Signature required on the second page.

BIDS MUST BE SUBMITTED ON FORMS PROVIDED.

BID NUMBER

#22

BID CLOSING DATE AND HOUR

Monday, April 24, 2017 AT 10:30AM

TERMS

DATE OF DELIVERY

A Performance Bond for the period of the contract project, including a one (1) year maintenance and work performance bond. Certificates with dates and amount must be provided to Garvin County no later than 15 workdays from the date of award of the term contract.

Provide Worker Compensation in accordance with the laws of the State of Oklahoma

General Liability Insurance Verification equal to County's policy with Garvin County Board of County Commissioners named as an additional primary insured.

*****If a mailer service envelope is used such as Fed Ex, UPS etc, put reference to Bid Number on the outside of the mailer envelope.**

THE PURCHASING AGENT FOR GARVIN COUNTY WILL ACCEPT SEALED BIDS FOR BRIDGE CONSTRUCTION OF LOCAL BRIDGE NO. 023, GARVIN COUNTY COMMISSIONER DISTRICT 1. SPECIFICATIONS ARE ATTACHED. SEND BIDS TO THE GARVIN COUNTY PURCHASING AGENT, P.O. BOX 926, PAULS VALLEY, OKLAHOMA 73075. THE BOARD OF GARVIN COUNTY COMMISSIONERS RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS.

VENDOR NAME: _____

CONTACT NAME: _____

SIGNATURE: _____

VENDOR ADDRESS: _____

PHONE: _____

EMAIL: _____

TERMS & CONDITIONS

1. Sealed bids will be opened in the Board of County Commissioners Meeting, Commissioner's Conference Room, Pauls Valley, Oklahoma 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 with bid number and closing date written on the outside of the envelope.**
3. Unit prices will be guaranteed correct by the bidder.
4. Firm prices will be F.O.B. destination.
5. Purchases by Garvin 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 law requires 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 _____. (Date)

AFFIDAVIT

I, the undersigned, of lawful age, being first duly sworn on oath 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 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 things 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 any 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.

Firm _____

Signed by _____ Title _____

Address: _____

City: _____ State: _____

Phone: _____ Zip: _____

Subscribed and sworn before this _____ day of _____ 20_____.

My commission expires: _____

(Seal)

Notary Public

BRIDGE PAV QUANTITIES		
DESCRIPTION	UNITS	QUANTITY
65' W 27 x 84 ROADWAY BEAMS	EA	6
29' HP-10 x 42 (BENT CAPS)	EA	2
40' HP-10 x 42 (SEAT PILES)	EA	12
30' HP-10 x 42 (WING PILES)	EA	18
22'-0" 10 GAUGE GALV. SHEET PILING	EA	82
24 GAUGE GALV. DECK FORMS	SF	1,922
5'-2" W 6 x 20 POSTS	EA	32
4 1/2" x 1/2" x 8 3/4" STIFFENER PLATES	EA	40
3/8" DIA. x 6" STUDS	EA	182
C-5 x 9 CHANNEL	LF	150
26'-8" C-10 x 20 HEADERS	EA	2
C-8 x 11.5 HEADERS	LF	140
C-8 x 11.5 BRACING	LF	300
C-15 x 33.9 WING CAP	LF	80
3" x 3" x 1/4" ANGLE	LF	852
4" x 3" x 1/4" ANGLE	LF	112
REINFORCING STEEL	LB	7,433
W-BEAM GUARD RAIL	LF	375
GUARD RAIL ANCHOR UNITS (TURN DOWNS)	EA	4
CLASS "AA" CONCRETE	CY	47

1. W 27 x 84 BASED ON 50 KSI STEEL (SEE CAMBER SCHEDULE THIS PAGE AND NOTE ON SHEET 3)
 2. ESTIMATED QUANTITY - SEAT PILES TO BE DRIVEN UNTIL THE RESISTANCE IS GREATER THAN OR EQUAL TO THE FACTORED PILE REACTION. WING PILES TO BE DRIVEN TO FULL LENGTH OR PRACTICAL REFUSAL, WHICHEVER OCCURS FIRST.

THE FACTORED REACTION FOR EACH HP 10x42 PILE AT THE ABUTMENT IS 28.6 TONS. THE FOLLOWING FORMULA (GATES EQUATION) SHALL BE USED TO DETERMINE THE AXIAL LOAD RESISTANCE OF THE DRIVEN FOUNDATION PILES.

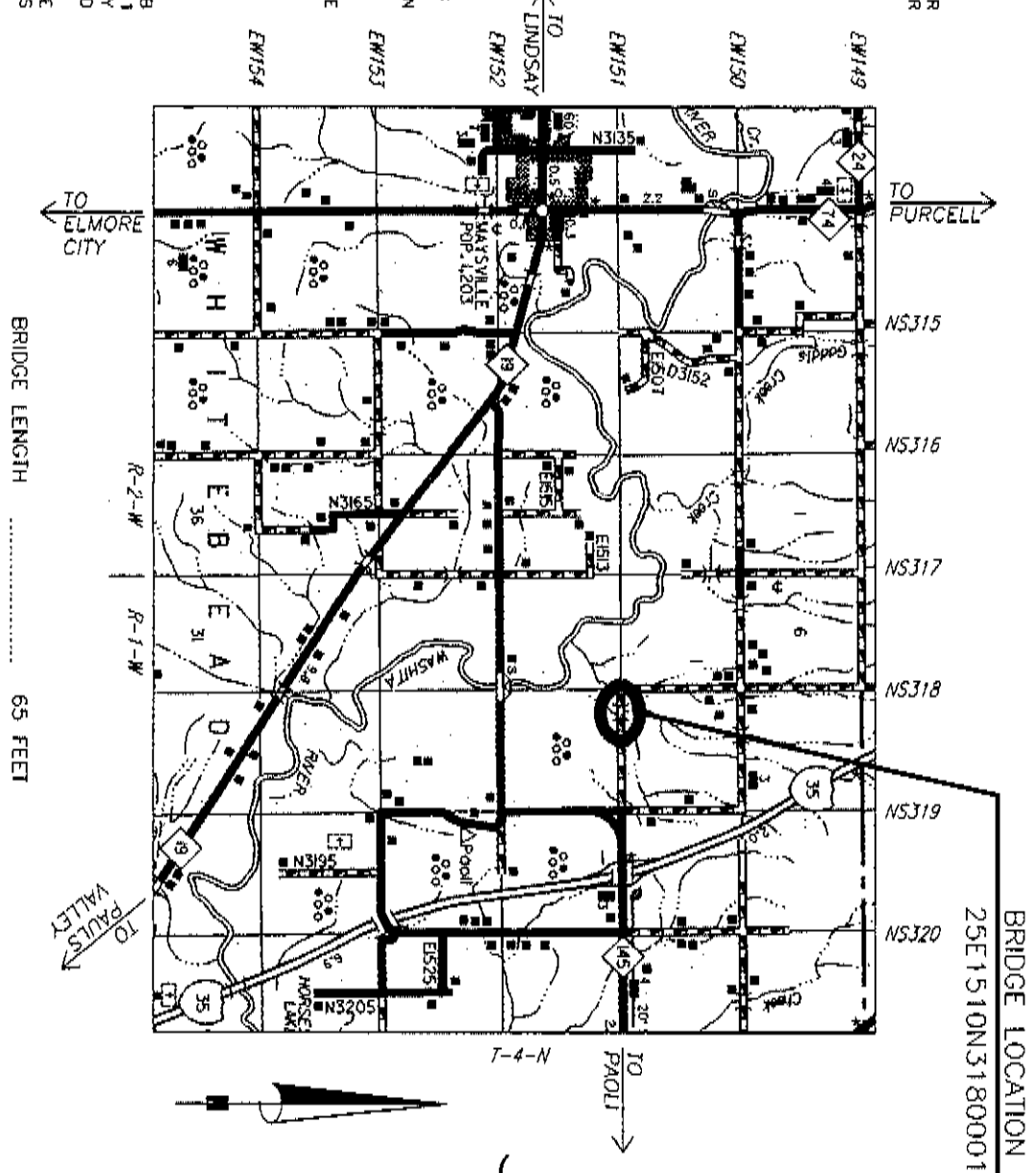
$$AXIAL \text{ LOAD RESISTANCE} = 0.1 \left[(0.875 \sqrt{E} \log_{10} (10N)) - 50 \right]$$

WHERE:
 R = RESISTANCE FACTOR OF 0.4
 E = ENERGY PRODUCED BY THE HAMMER PER BLOW IN FOOT-POUNDS. FOR GRAVITY AND SINGLE ACTING DIESEL HAMMERS, THE VALUE IS BASED ON THE ACTUAL RAIN STROKE OBSERVED IN THE FIELD AND MEASURED IN FEET MULTIPLIED BY THE RAIN WEIGHT IN POUNDS.
 N = AVERAGE NUMBER OF HAMMER BLOWS PER INCH OF PILE PENETRATION FOR THE LAST 10 TO 20 BLOWS DELIVERED TO THE PILE HEAD.

THE ABOVE FORMULA IS ONLY APPLICABLE WHEN:
 - THE PILE DRIVING HAMMER HAS A FREE FALL (GRAVITY AND SINGLE ACTING HAMMERS ONLY).
 - THE HEAD OF THE PILE IS NOT BROKEN, CRUSHED OR OTHERWISE DAMAGED.
 - THE PENETRATION IS QUICK AND UNIFORM.
 - THERE IS NO APPRECIABLE REBOUND OF THE HAMMER AND A FOLLOWER IS NOT USED.

- QUANTITY BASED ON NET WIDTH OF 1'-7 3/4" PER SHEET.
- DECK FORMS SHALL BE A VOLCRRAFT 1.324 OR APPROVED EQUAL. QUANTITY BASED ON A 32" WIDE FORM WITH 9" SIDE LAPS AND 1'-4" END LAPS PER SHEET. ESTIMATED TO BE 45-16' PIECES.
- QUANTITY CALCULATED AT 144.5'. ESTIMATED 15-20' PIECES. THIS INCLUDES 5.5' FOR WASTE.
- QUANTITY CALCULATED AT 130'. ESTIMATED 7-20' PIECES. THIS INCLUDES 10' FOR WASTE.
- QUANTITY CALCULATED AT 296'. ESTIMATED 15-20' PIECES. THIS INCLUDES 4' FOR WASTE.
- QUANTITY CALCULATED AT 80'. ESTIMATED 4-20' PIECES. THIS INCLUDES 0' FOR WASTE.
- QUANTITY CALCULATED AT 107'. ESTIMATED 19-24' AND 18-22' PIECES. THIS INCLUDES 27' FOR WASTE.
- QUANTITY CALCULATED AT 107'. ESTIMATED 8-14' PIECES. THIS INCLUDES 5' FOR WASTE.
- SEE REINFORCING STEEL SUMMARY FOR SIZES AND LENGTHS.
- PRICE BID TO INCLUDE SLAB BOLSTERS TO BE PLACED AT NO MORE THAN 4 FOOT CENTERS. SLAB BOLSTERS SHOULD BE 5'-0" IN LENGTH WITH 5" LEG SPACING AND SHALL HAVE A CLASS 1 PLASTIC PROTECTED OR CLASS 2 TYPE B STAINLESS STEEL PROTECTED FINISH. ESTIMATED QUANTITY 94 1" BOLSTERS (PLACED TRANSVERSELY TO SUPPORT BL BARS) AND 94 1 1/2" BOLSTERS (PLACED TRANSVERSELY ATOP BL BARS TO SUPPORT TL BARS).
- CONSISTS OF 93'-9" OF DOUBLE W-GUARD RAIL BEAM MOUNTED FRONT TO BACK ON EACH SIDE OF THE STRUCTURE AND ALL NECESSARY HARDWARE TO BOLT TO POSTS AND SPLICE SECTIONS TOGETHER.
- CONSISTS OF 25 FOOT GUARD RAIL ELEMENT TWISTED 90 DEGREES TO GROUND AND ALL NECESSARY HARDWARE.
- QUANTITY CALCULATED AT 45.5 CY, AND INCLUDES AN ADDITIONAL 1.5 CY TO BE USED AS NEEDED.

PLAN OF PROPOSED
 COUNTY BRIDGE
 TRIBUTARY TO WASHITA RIVER
 LOCAL BRIDGE NO. 023
 GARVIN COUNTY, OKLAHOMA
 LOCATION: 25E1510N3180001
 CONSTRUCT NBI: _____



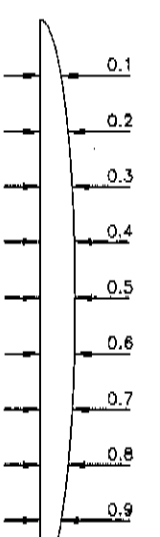
INDEX OF SHEETS	
SHEET NO.	TOTAL SHEETS
1	3

1. TITLE SHEET
 2. BRIDGE SECTIONS AND DETAILS
 3. ABUTMENT PLAN AND ELEVATION
- OBsolete STANDARDS REFER TO THESE STANDARDS FOR DETAILS NOT SHOWN.

CY-IBN-1
 CY-IBN-2
 CY IBNA-1

DESIGN DATA	
CONCRETE: CLASS "AA"	4,000 psi
REINFORCING STEEL: (Gr. 60)	60,000 psi
STRUCTURAL STEEL:	50,000 psi
LFD OPERATING RATING:	H 40.0 tons

NOTE: MINIMUM COMPRESSIVE STRENGTH FOR CLASS AA CONCRETE SHALL BE 4,000 P.S.I. AT 28 DAYS.



INTERIOR BEAM CAMBER SCHEDULE		EXTERIOR BEAM CAMBER SCHEDULE	
0.1 AND 0.2	0.94	0.1 AND 0.2	0.58
0.3 AND 0.4	1.78	0.3 AND 0.4	1.09
0.5	2.44	0.5	1.49
	2.85		1.75
	3.00		1.83

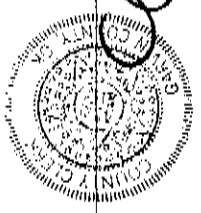
APPROVED
 BOARD OF GARVIN COUNTY COMMISSIONERS

DIST. NO. 1
 DATE: 3/12/17

DIST. NO. 2
 DATE: 3/12/17

DIST. NO. 3
 DATE: 3/12/17

ATTEST
 COUNTY CLERK
 DATE: 3/12/17

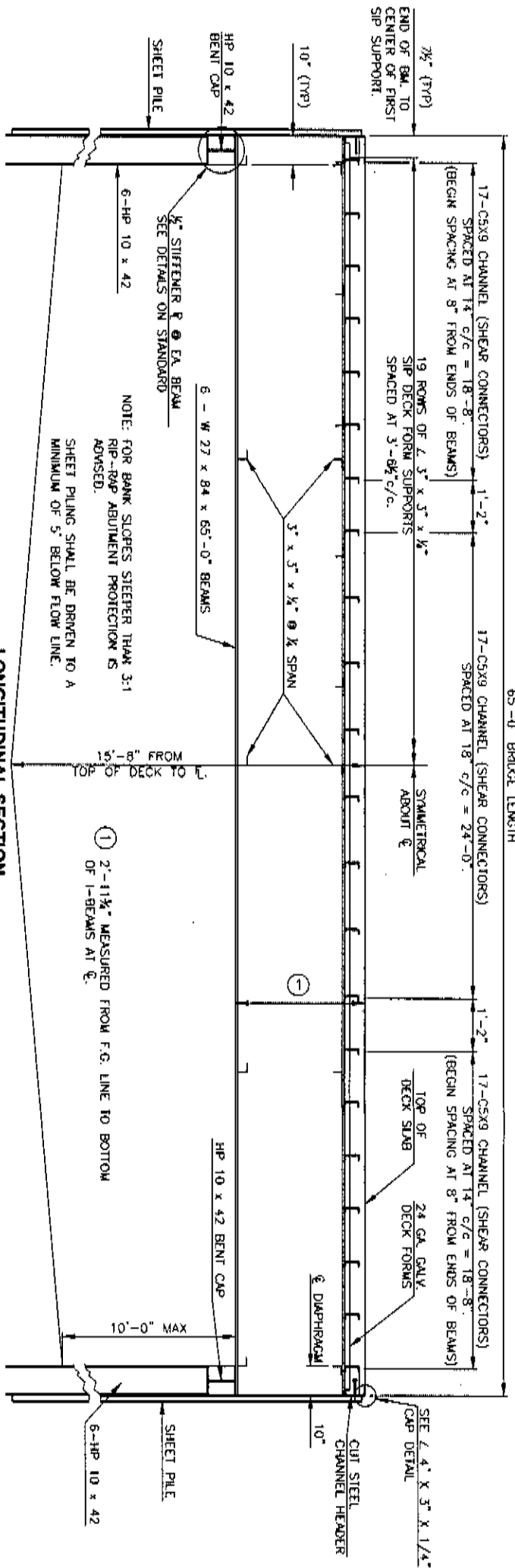


PREPARED BY:
 CEC CORPORATION
 CA32 PE/AS 6/30/2018
 OKLAHOMA CITY, OKLAHOMA

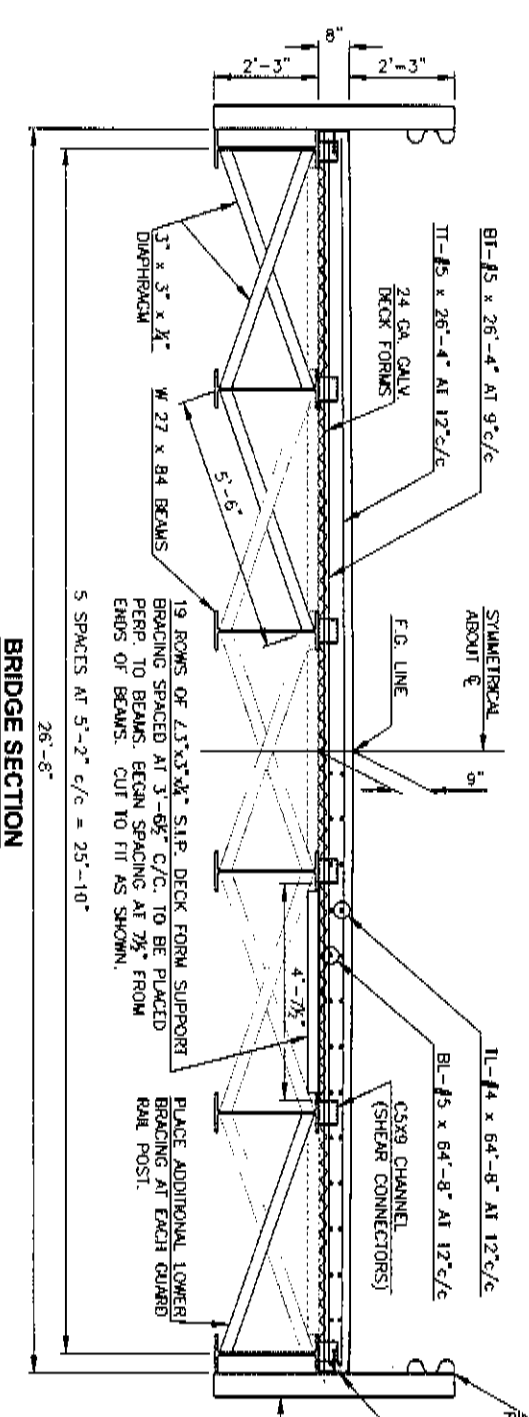
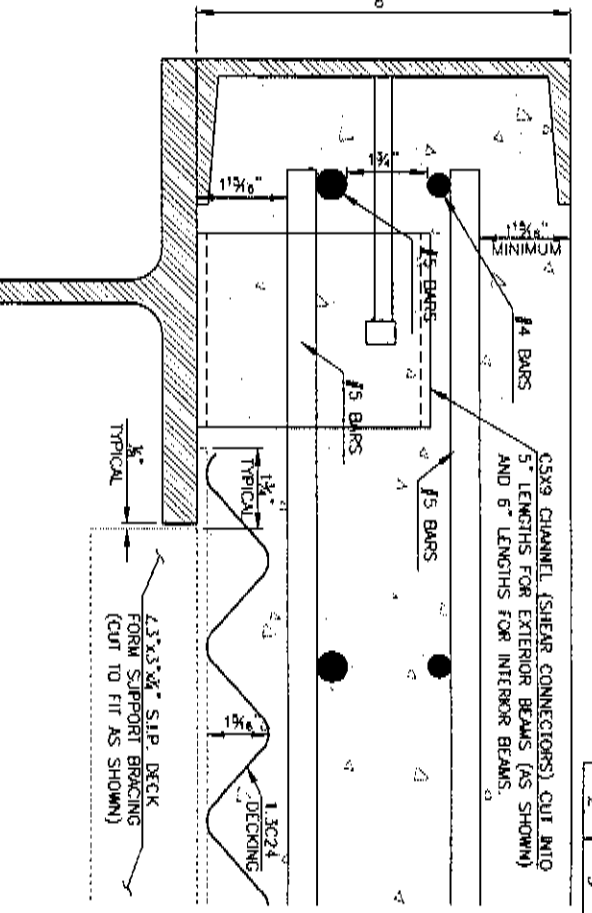
DATE: 3/12/17



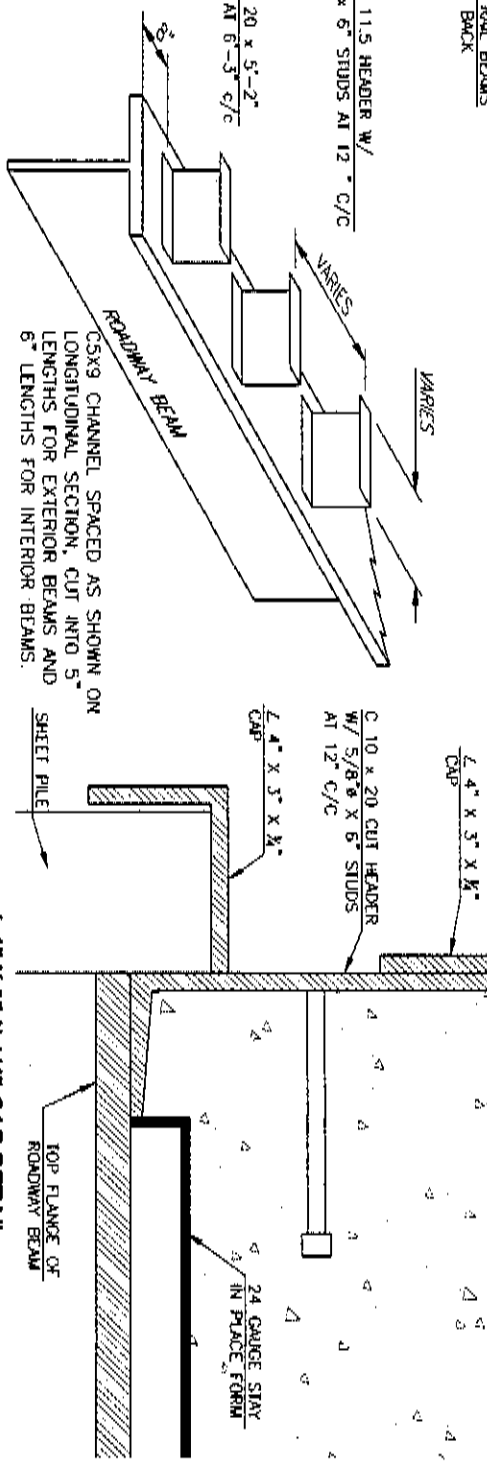
65'-0" BRIDGE LENGTH



DECK REINFORCING PLACEMENT DETAIL



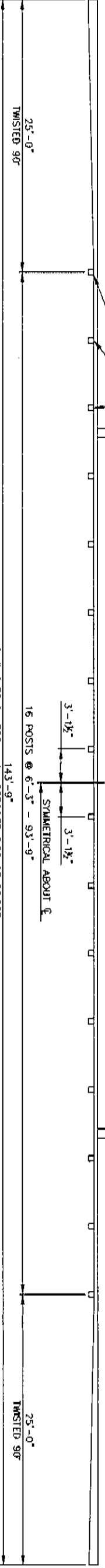
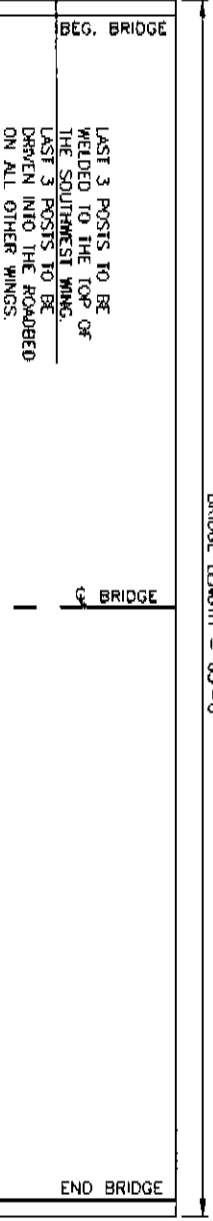
SHEAR CONNECTOR DETAIL



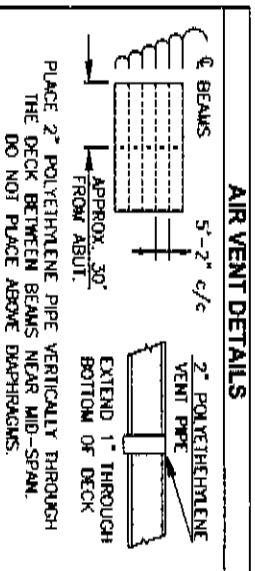
REINFORCING STEEL SUMMARY

MARK	SIZE	SPACING	LENGTH	NUMBER	WEIGHT (LBS)
TI	5	12"	26'-4"	66	1813
BT	5	9"	26'-4"	88	2417
BL	5	12"	66'-10"	28	1952
TL	4	12"	66'-10"	28	1251
				TOTAL WEIGHT	7,433

① QUANTITY INCLUDES ALLOWANCE FOR A 2'-2" LAP

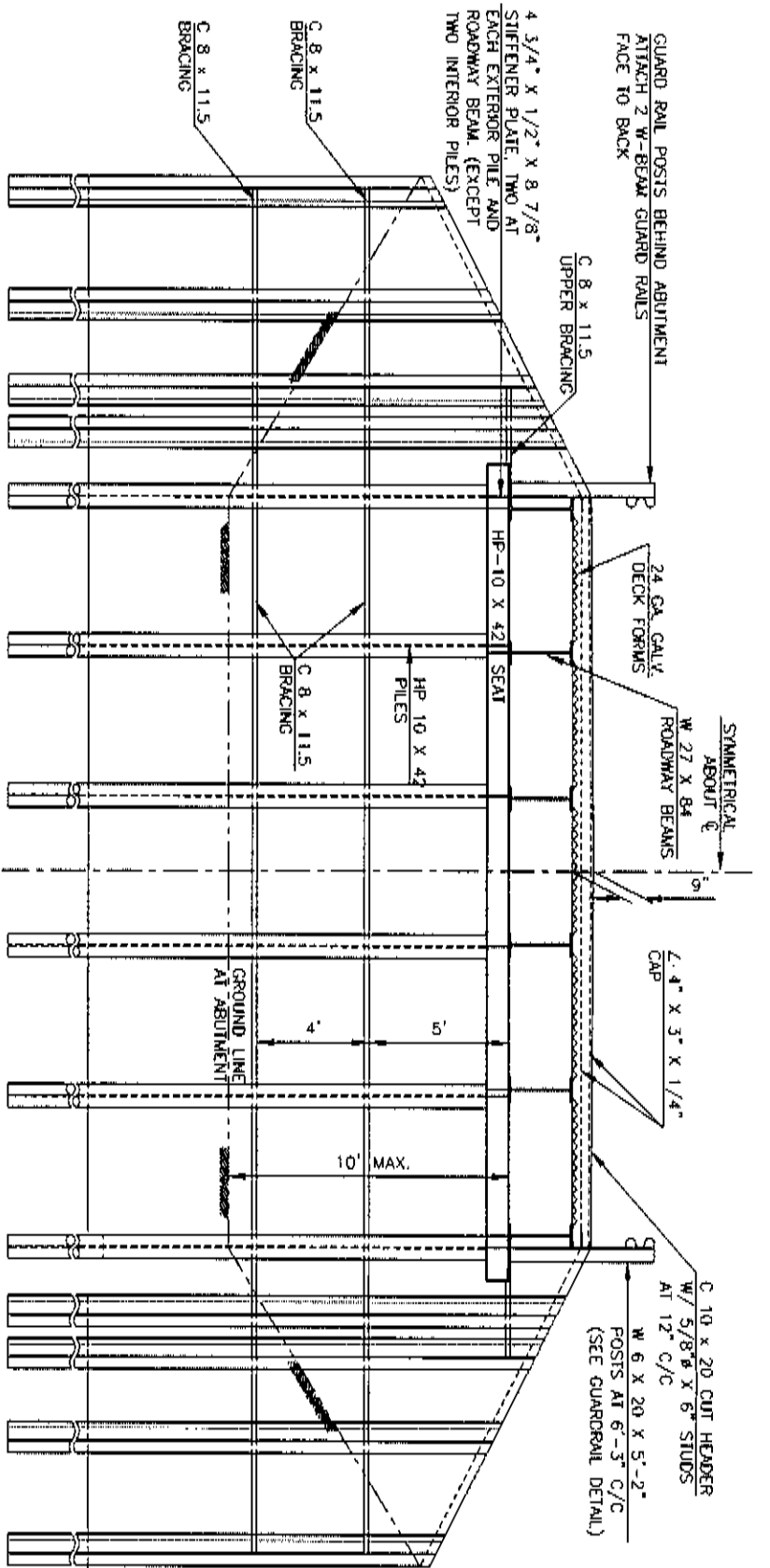


GUARD RAIL DETAIL

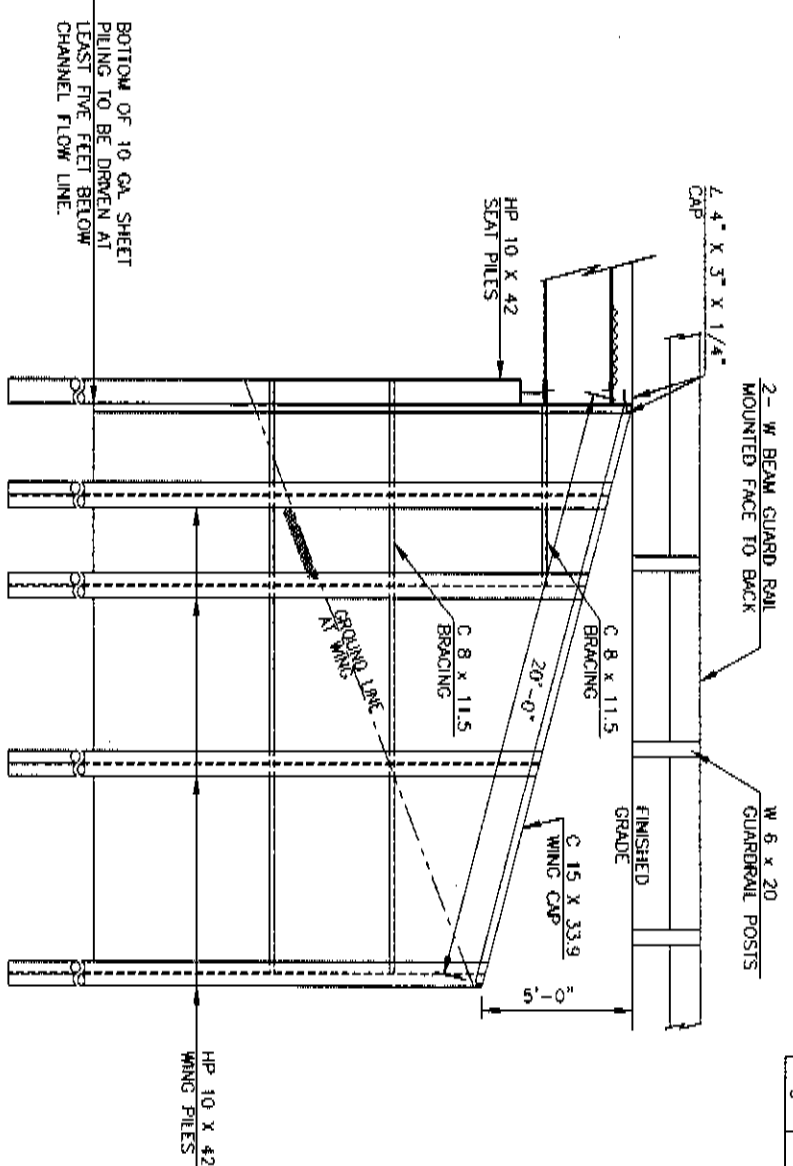


AIR VENT DETAILS

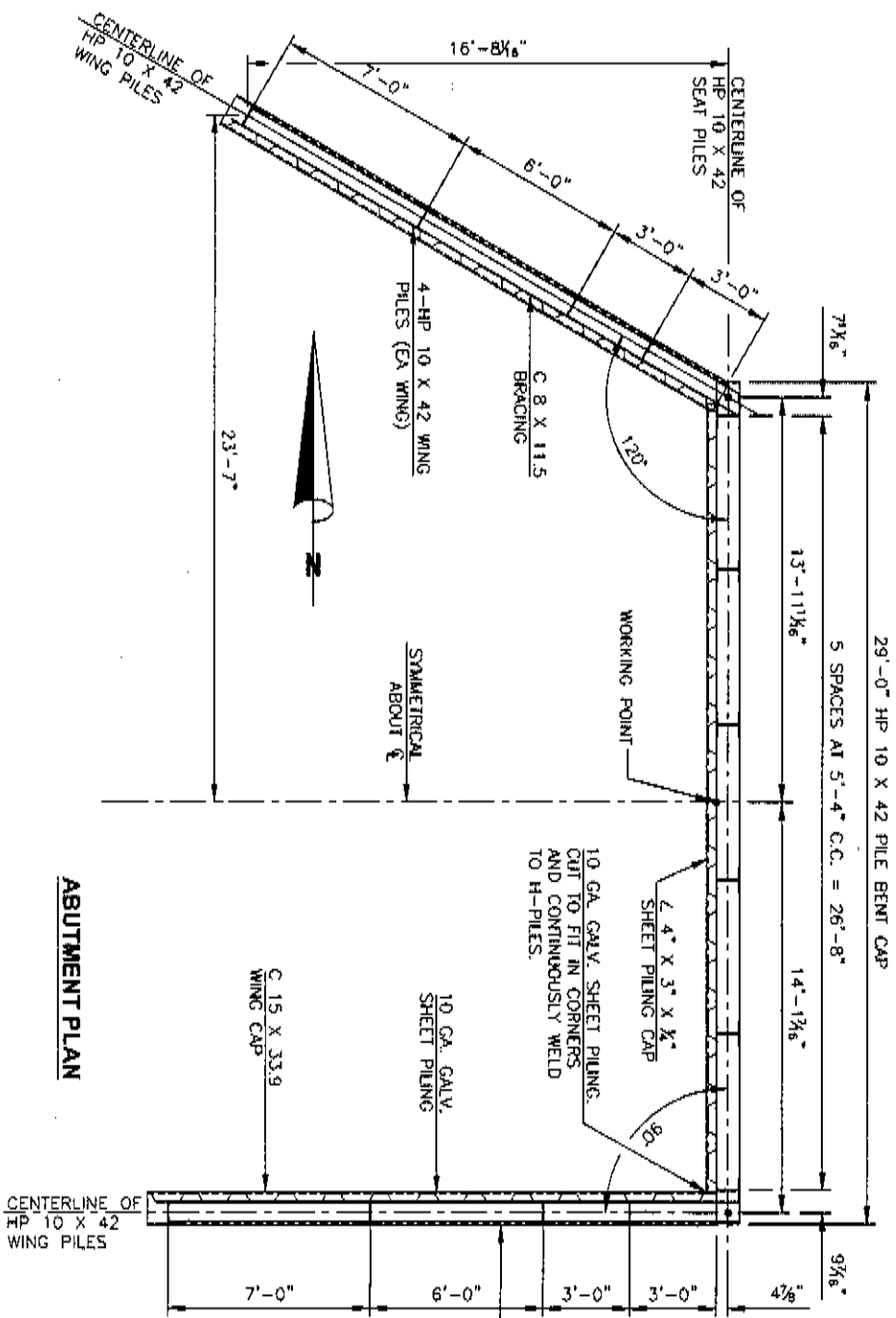
DESIGN A.F. TRIB. TO WASHITA RIVER GARVIN COUNTY
 DRAWN G.W.C. (VZM) **CBC**
BRIDGE SECTIONS AND DETAILS
 SHEET NO. 2



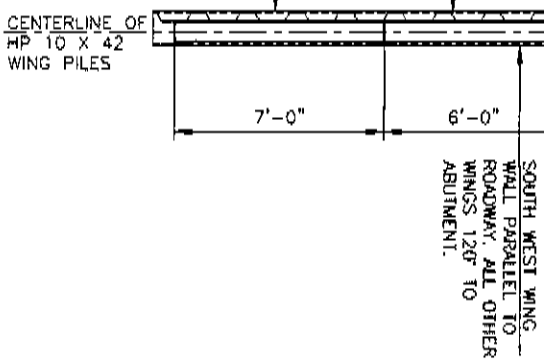
ABUTMENT ELEVATION



TYPICAL WING ELEVATION

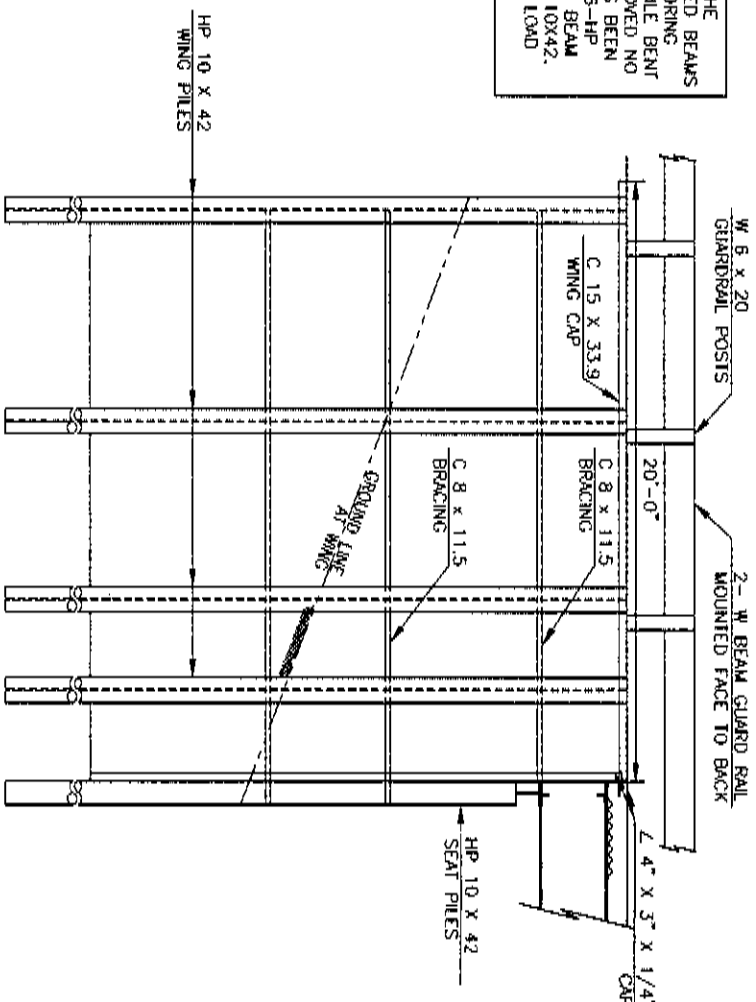


ABUTMENT PLAN



SOUTHWEST WING ELEVATION

AS AN ALTERNATIVE TO CAMBERED BEAMS, THE CONTRACTOR MAY ELECT TO USE UNCAMBERED BEAMS IF SHORED CONSTRUCTION IS PROVIDED. SHORING MUST CONSIST OF ONE TEMPORARY STEEL PILE BENT TO BE CONSTRUCTED AT MIDSPAN AND REMOVED NO SOONER THAN 7 DAYS AFTER THE DECK HAS BEEN CAST. THE PILE BENT SHOULD CONSIST OF 6-HP 10X42 PILES DRIVEN DIRECTLY BENEATH THE BEAM LINES AND CAPPED WITH AN ADDITIONAL HP 10X42. THE PILES SHOULD BE DRIVEN TO AN AXIAL LOAD RESISTANCE OF 12.5 TONS.



SOUTHWEST WING ELEVATION

SHEET NO.	3
TOTAL SHEETS	3

DESIGN	A.T.	TRIB. TO WASHITA RIVER	GARAIN COUNTY
DRAWN	G.W.C. (YTD)		
		ABUTMENT PLAN AND ELEVATION	

BRIDGE PAV QUANTITIES		
DESCRIPTION	UNITS	QUANTITY
65' W 27 x 84 ROADWAY BEAMS	EA	6
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5'-2" W 6 x 20 POSTS	EA	32
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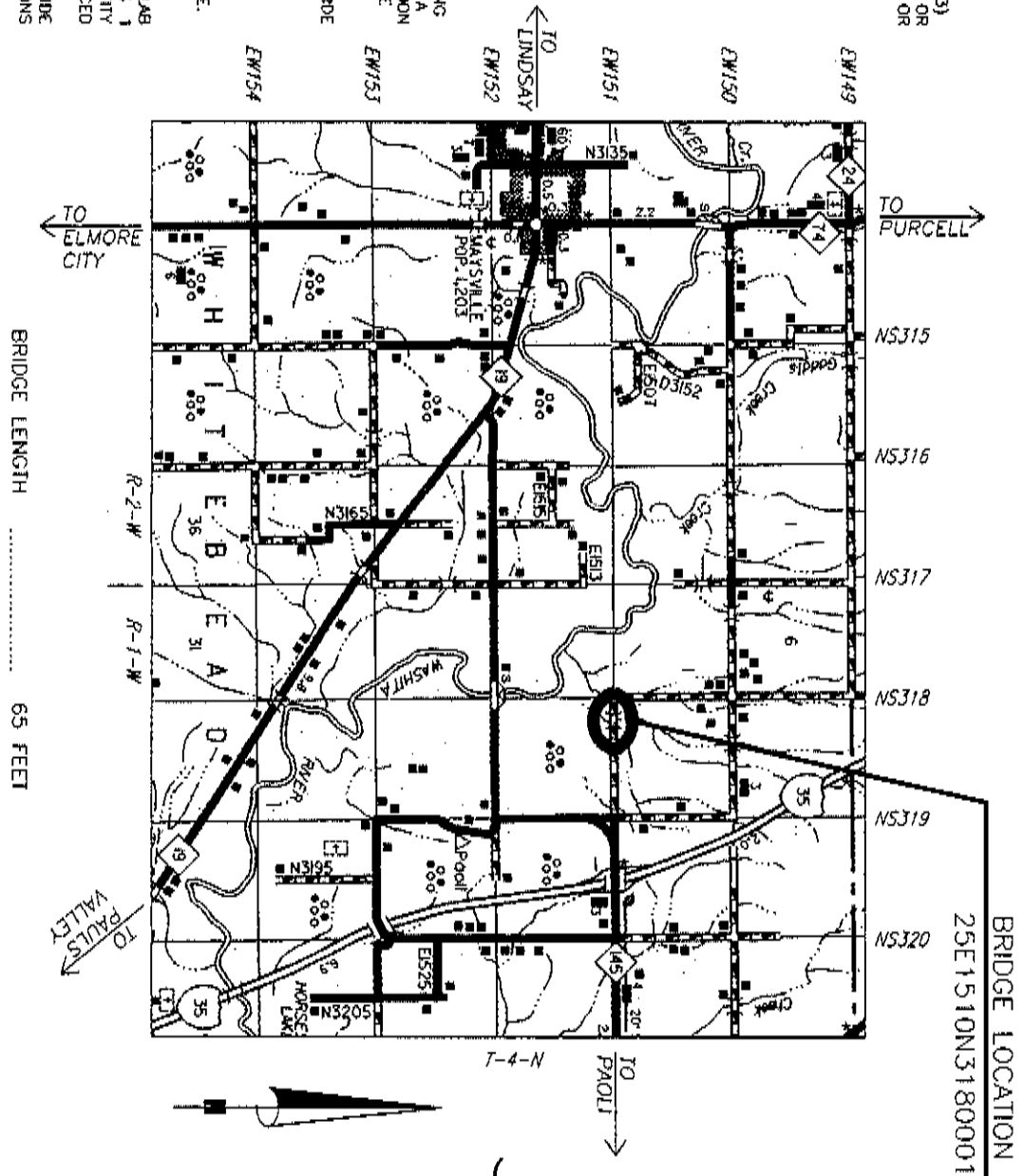
$$AXIAL \text{ LOAD RESISTANCE} = n [(0.875 \sqrt{E} \log_{10}(10n)) - 50]$$

WHERE:
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PLAN OF PROPOSED
 COUNTY BRIDGE
 TRIBUTARY TO WASHITA RIVER
 LOCAL BRIDGE NO. 023
 GARVIN COUNTY, OKLAHOMA
 LOCATION: 25E1510N3180001
 CONSTRUCT NBI: _____

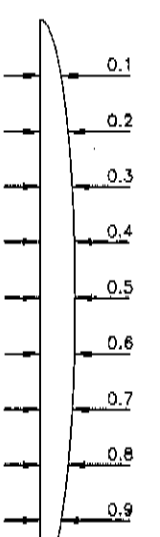


INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	TITLE SHEET
2.	BRIDGE SECTIONS AND DETAILS
3.	ABUTMENT PLAN AND ELEVATION

OBsolete STANDARDS REFER TO THESE STANDARDS FOR DETAILS NOT SHOWN.

DESIGN DATA	
CONCRETE: CLASS "AA"	4,000 psi
REINFORCING STEEL: (Gr. 60)	60,000 psi
STRUCTURAL STEEL:	50,000 psi
LFD OPERATING RATING:	H 40.0 tons
NOTE: MINIMUM COMPRESSIVE STRENGTH FOR CLASS AA CONCRETE SHALL BE 4,000 P.S.I. AT 28 DAYS.	



INTERIOR BEAM CAMBER SCHEDULE		EXTERIOR BEAM CAMBER SCHEDULE	
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0.3 AND 0.4	1.78*	0.3 AND 0.4	1.09*
0.5	2.44*	0.5	1.49*
	2.85*		1.75*
	3.00*		1.83*

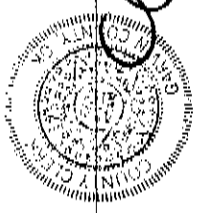
APPROVED BOARD OF GARVIN COUNTY COMMISSIONERS

DIST. NO. 1
 DATE: 3/12/17

DIST. NO. 2
 DATE: 3/12/17

DIST. NO. 3
 DATE: 3/12/17

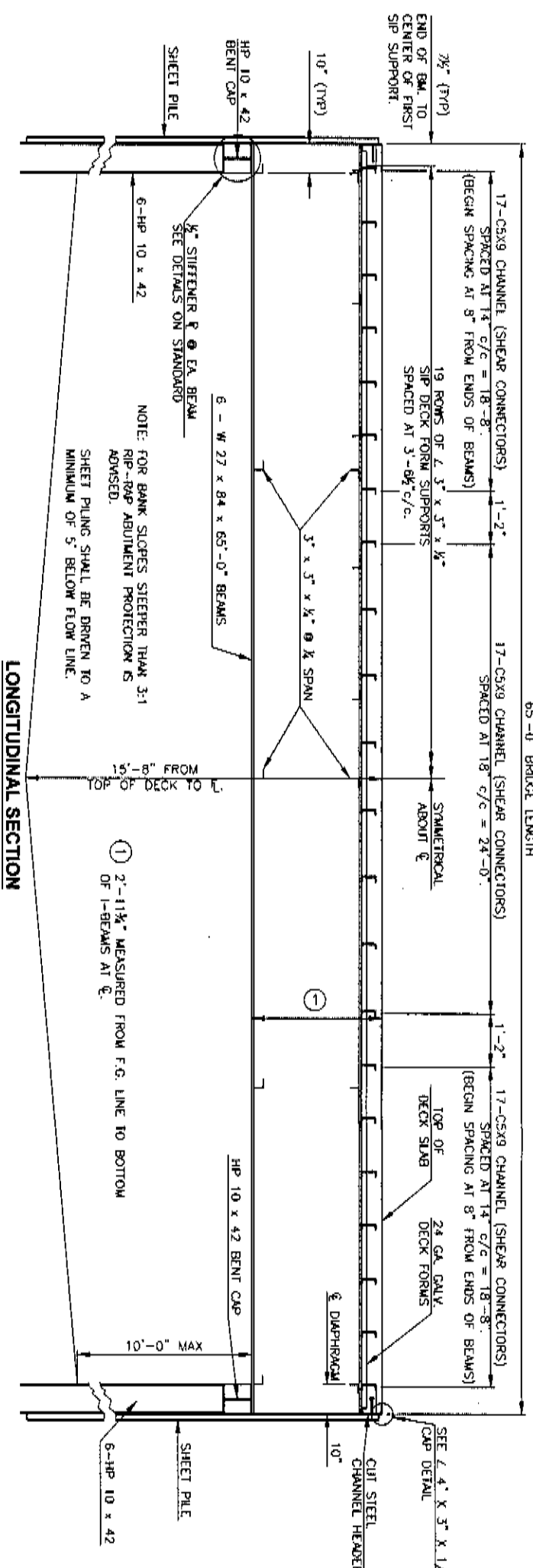
ATTEST
 COUNTY CLERK
 DATE: 3/12/17



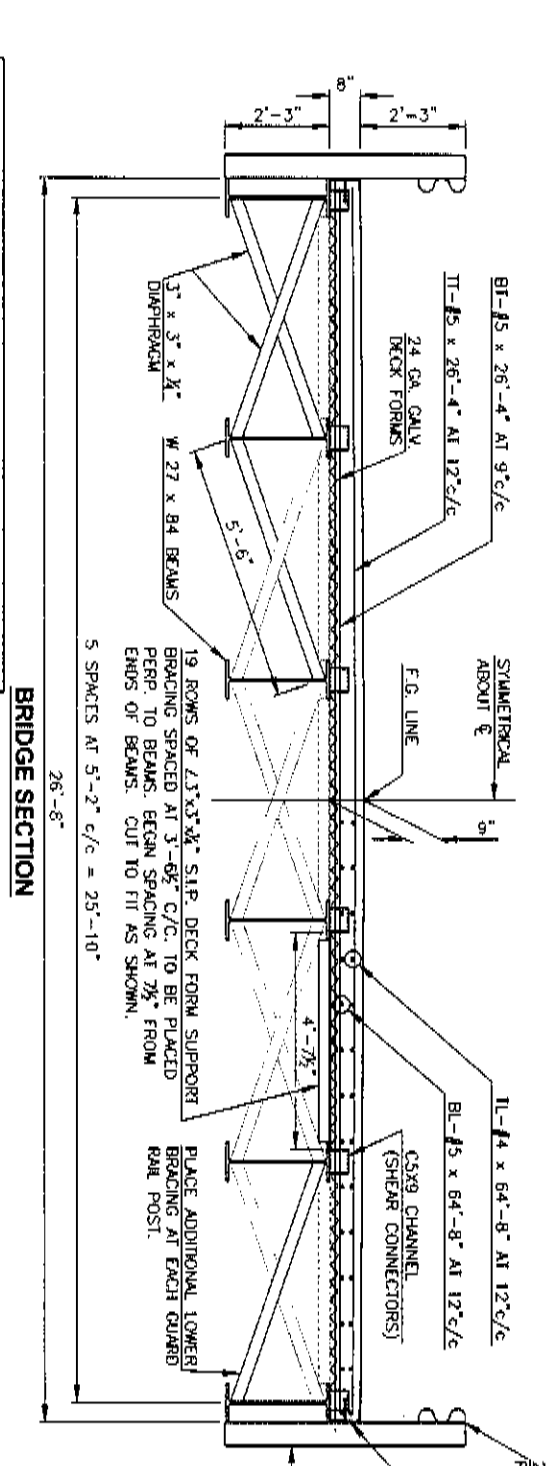
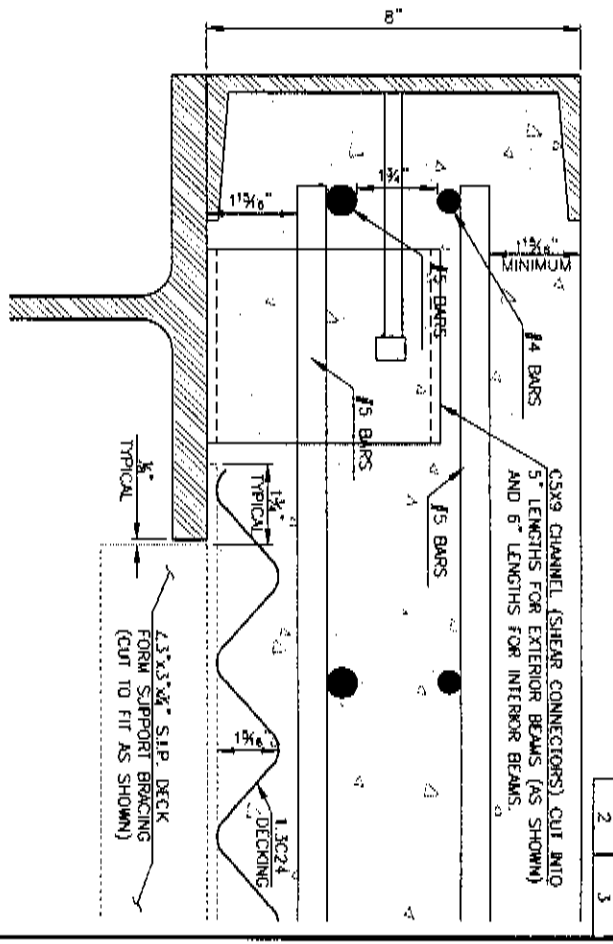
PREPARED BY: CEC CORPORATION
 CA32 PE/AS 6/30/2018
 OKLAHOMA CITY, OKLAHOMA
 Aaron Finley
 OKLA. REG. NO. 24764
 DATE: 3/12/17



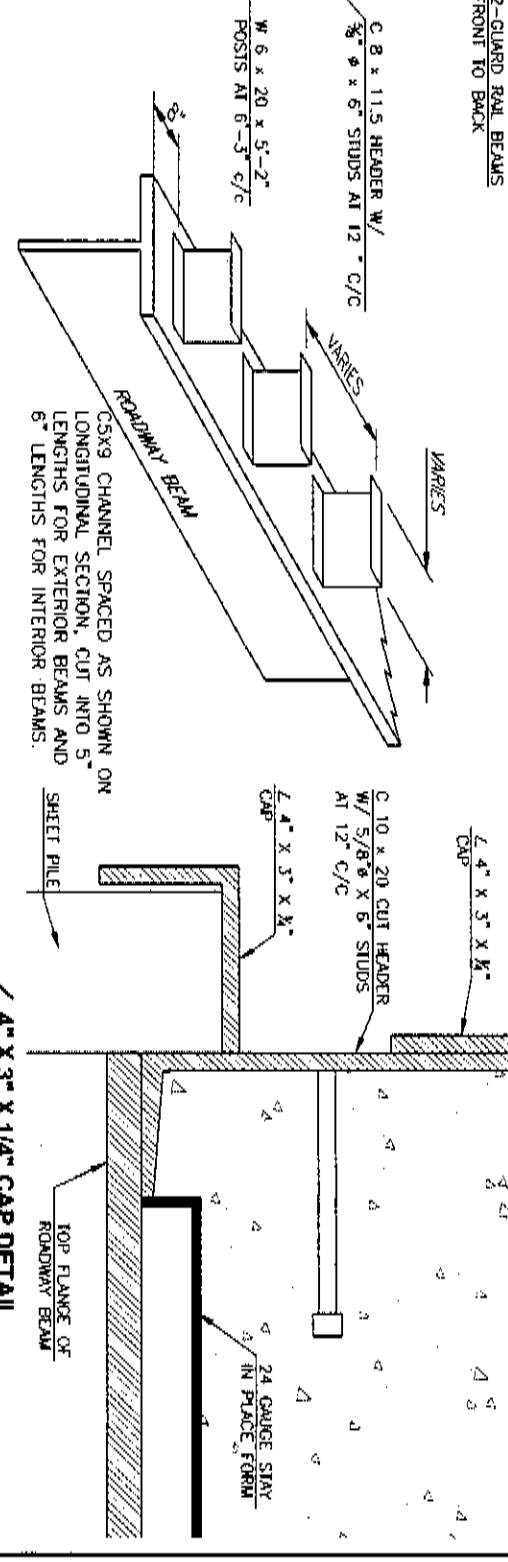
65'-0" BRIDGE LENGTH



DECK REINFORCING PLACEMENT DETAIL



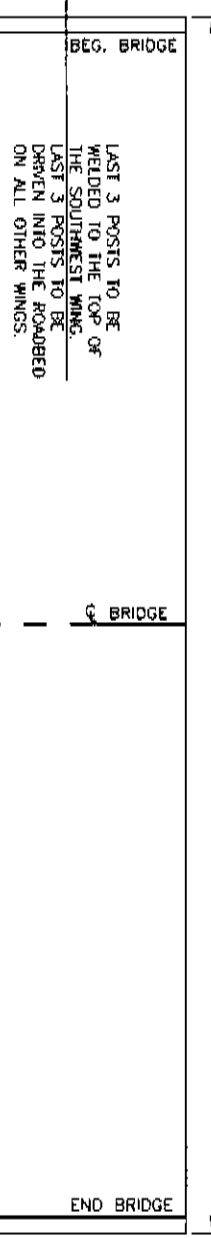
SHEAR CONNECTOR DETAIL



REINFORCING STEEL SUMMARY

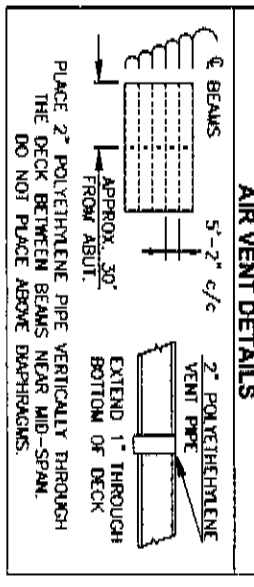
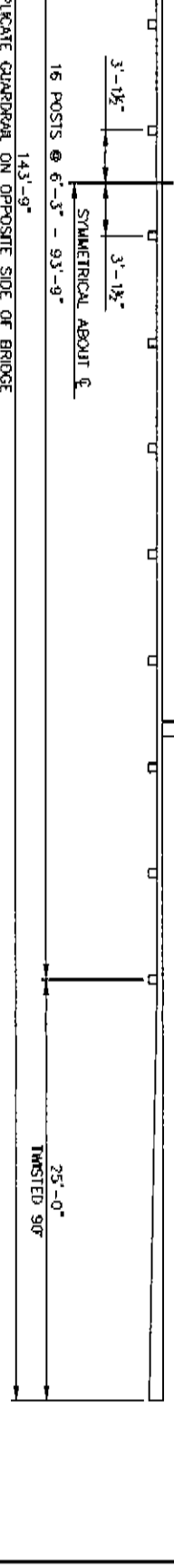
MARK	SIZE	SPACING	LENGTH	NUMBER	WEIGHT (LBS)
TI	5	12"	26'-4"	66	1813
BT	5	9"	26'-4"	88	2417
BL	5	12"	66'-10"	28	1952
TL	4	12"	66'-10"	28	1251
TOTAL WEIGHT					7,433

① QUANTITY INCLUDES ALLOWANCE FOR A 2'-2" LAP

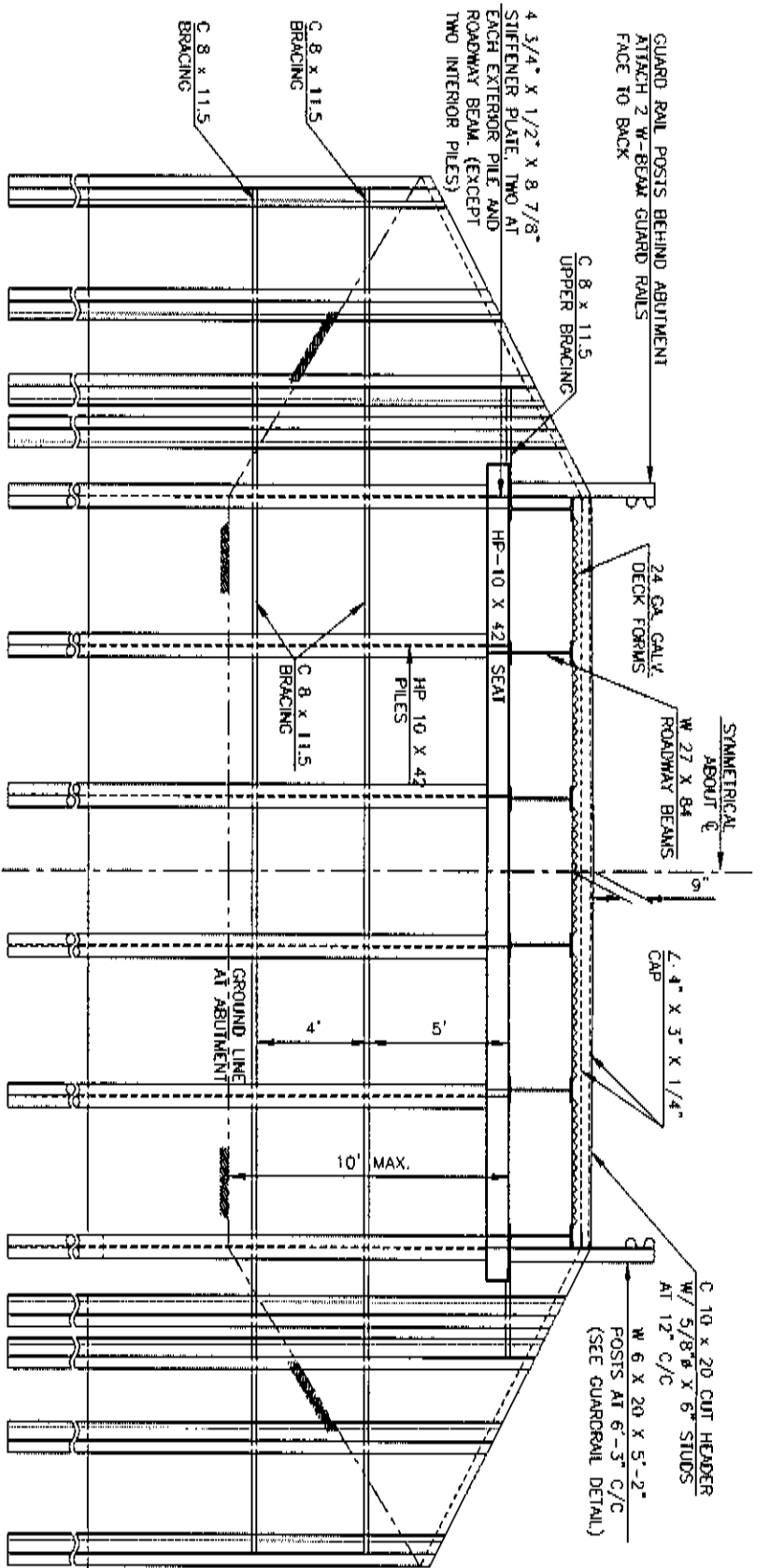


DUPLICATE GUARDRAIL ON OPPOSITE SIDE OF BRIDGE

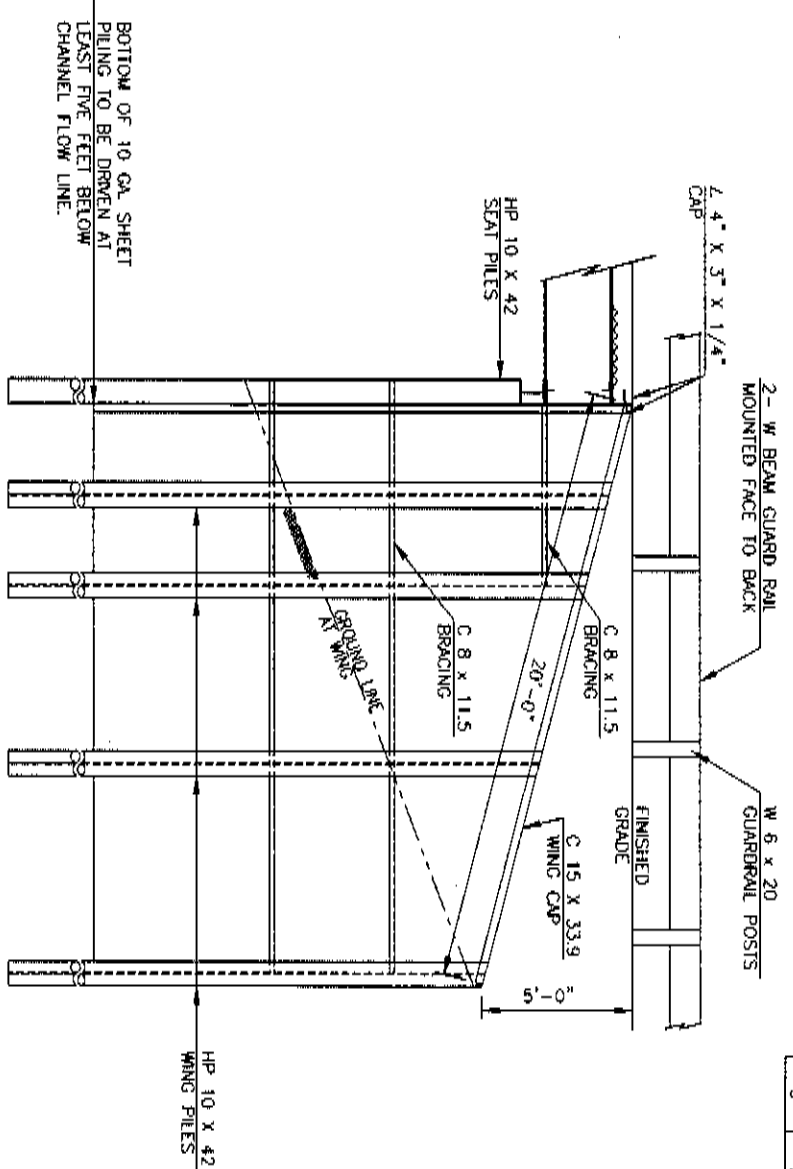
GUARD RAIL DETAIL



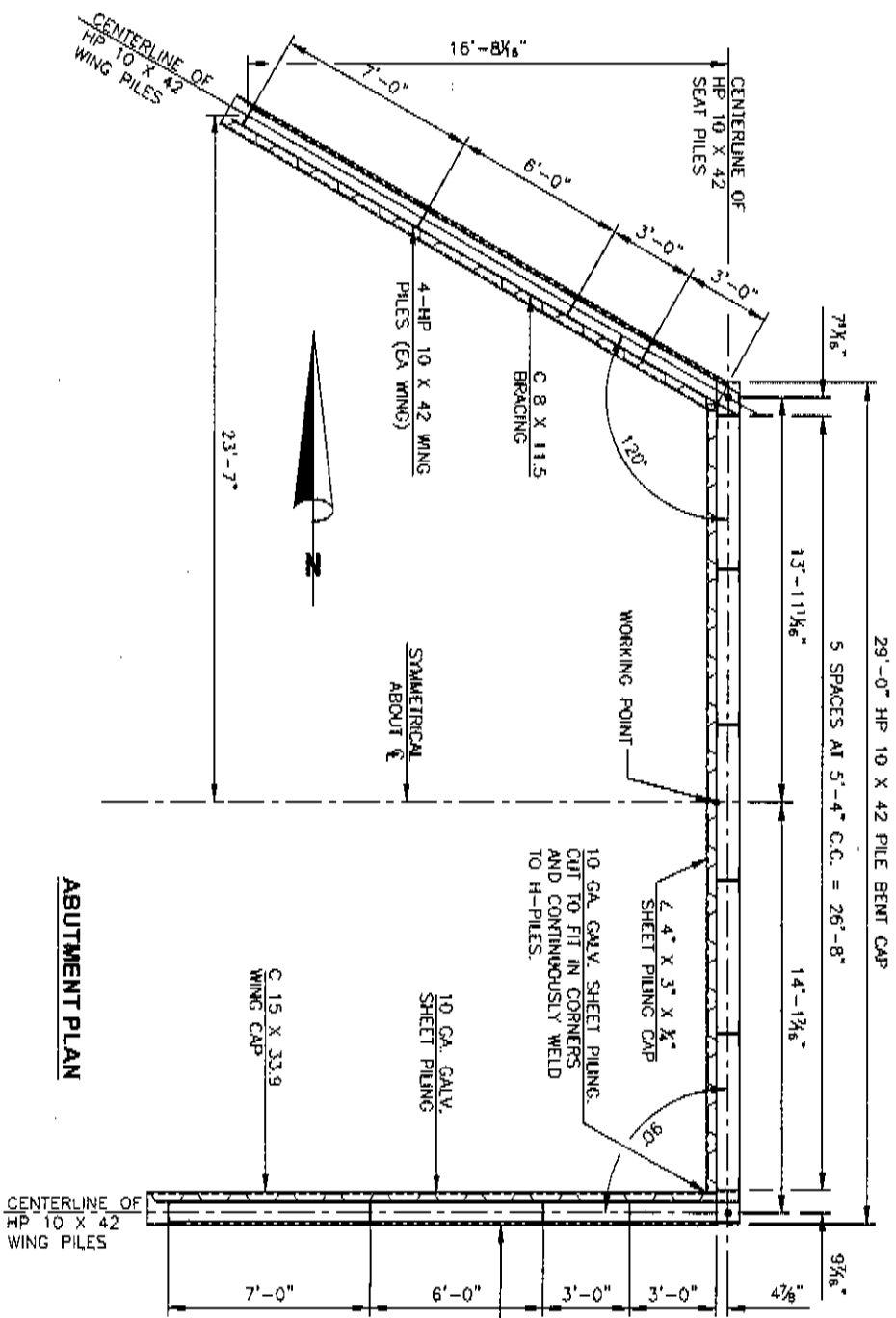
DESIGN A.F. TRIB. TO WASHITA RIVER GARVIN COUNTY
 DRAWN G.W.C. (VZM) **CBC**
BRIDGE SECTIONS AND DETAILS
 SHEET NO. 2



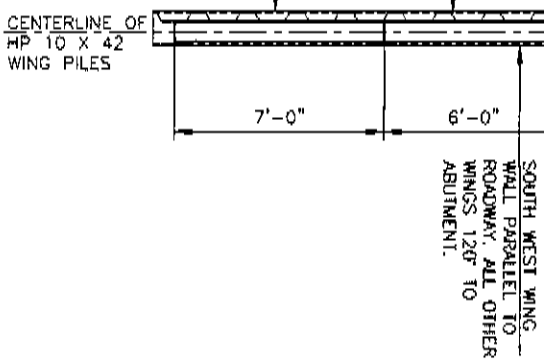
ABUTMENT ELEVATION



TYPICAL WING ELEVATION

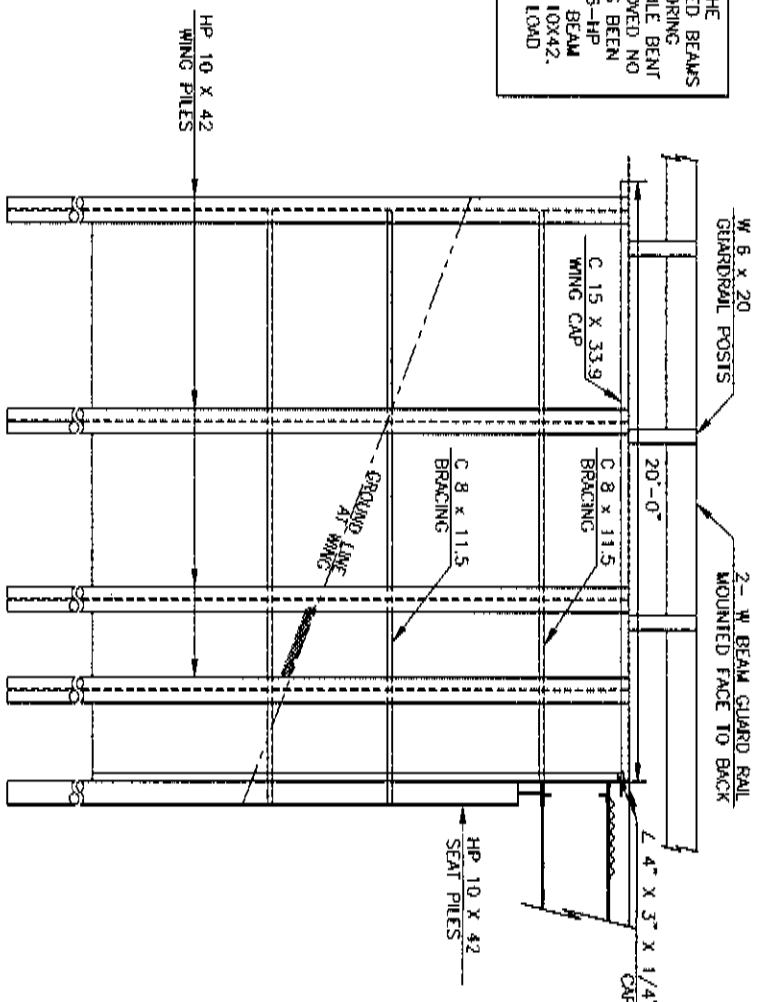


ABUTMENT PLAN



SOUTHWEST WING ELEVATION

AS AN ALTERNATIVE TO CAMBERED BEAMS, THE CONTRACTOR MAY ELECT TO USE UNCAMBERED BEAMS IF SHORED CONSTRUCTION IS PROVIDED. SHORING MUST CONSIST OF ONE TEMPORARY STEEL PILE BENT TO BE CONSTRUCTED AT MIDSPAN AND REMOVED NO SOONER THAN 7 DAYS AFTER THE DECK HAS BEEN CAST. THE PILE BENT SHOULD CONSIST OF 6-HP 10X42 PILES DRIVEN DIRECTLY BENEATH THE BEAM LINES AND CAPPED WITH AN ADDITIONAL HP 10X42. THE PILES SHOULD BE DRIVEN TO AN AXIAL LOAD RESISTANCE OF 12.5 TONS.



SOUTHWEST WING ELEVATION

SHEET NO.	3
TOTAL SHEETS	3

DESIGN	A.T.	TRIB. TO WASHITA RIVER	GARAIN COUNTY
DRAWN	G.W.C. (YTD)		
		ABUTMENT PLAN AND ELEVATION	