



Office of
GLENNA CRAIG
Payne County Clerk

BID # 2026-23

**BRIDGE REPLACEMENT-UNNAMED CREEK LOCAL BRIDGE #145-3
PAYNE COUNTY DISTRICT 3, RHONDA MARKUM**

Vendor and or company representative,

Included in this correspondence you will find information regarding bid specifications, packet information, and instructions per the Payne County Commissioners who are requesting your company submit a bid for the enclosed project or materials.

The enclosed packet has been developed and approved by the Payne County Commissioners', the content of the packet is per their instruction. The Payne County Clerk's office is the facilitator of the bid process and is required to receive and hold all sealed bids per Oklahoma State Statutes to present to the Board of Commissioners in an open session.

If you have any questions, in regards, to the pack content, specifications, and instructions please contact the following:

RHONDA MARKUM, DISTRICT 3 COMMISSIONER- (405) 372-7758

We appreciate your bid and time, in regards, to the process. We look forward to hearing from you.

Kind Regards,

Glenna Craig, Payne County Clerk
State of Oklahoma

All bids can be mailed or emailed to vendors upon request, or can be downloaded for completion from our website:

www.countyclerk.paynecounty.org

CONTACT KYLA MCCOMBS-PAYNE COUNTY PURCHASING AGENT FOR EMAIL OR MAILED BIDS AT:

kmccombs@paynecountyclerk.org

ALL BIDS MUST BE SUBMITTED BACK TO THE PAYNE COUNTY CLERKS OFFICE BY MAIL, OR IN PERSON SEALED BEFORE 9:30 THE DATE OF BID OPENING.

**THERE WILL BE A PRE-BID MEETING HELD AUGUST 20, 2025 AT 10 AM AT THE PAYNE
COUNTY DISTRICT 3 BARN, 506 EXPO CIRCLE SOUTH, STILLWATER, OKLAHOMA.**

Payne County Administration Building • 315 W. 6th, Suite 202 • Stillwater, Oklahoma 74074
405-747-8310 • Fax: 405-747-8304 • countyclerk.paynecounty.org



Office of
GLENN CRAIG
Payne County Clerk

INVITATION TO BID

The Board of County Commissioners, Payne County, Oklahoma is seeking sealed bids for:
BID # 2026-23

BRIDGE REPLACEMENT-UNNAMED CREEK LOCAL BRIDGE #145-3

BID # 2026-23

Date Published: AUGUST 7, 2025

Bidding Period Closing Date and Hour: SEPTEMBER 8, 2025 @ 9:30 A.M.

Sealed Bid Opening Date and Hour: SEPTEMBER 8, 2025 @ 9:30 A.M.

Location: "The Gloria Hesser Commissioners Meeting Room" Room 200, Payne County Administration Building.

Address: 315 W. 6th, Ste. 202, Stillwater, OK. 74074

Requesting Authority: PAYNE COUNTY DISTRICT 3

DISTRICT 3 COMMISSIONER, RHONDA MARKUM

PHONE: 405-372-7758

Bid submissions are to be addressed to:

**ATTN: Payne County Purchasing Agent
Payne County Clerk's Office
315 W. 6th, Suite 202
Stillwater, OK 74074**

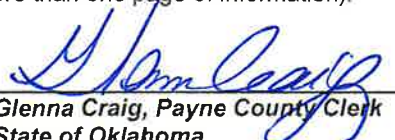
Please review the attached Terms and Conditions pertaining to the submission of this bid.

Please pay particular attention to item (1) of the Terms and Conditions. This item specifies how the bid envelopes are to be identified to prevent inadvertent or premature opening of sealed bids. Your compliance will ensure consideration of your bid by the awarding body. Late bids will not be considered.

The Non-Collusions Affidavit bearing original signature must be notarized and returned with the bid submission.

This packet contains:

1. Invitation to Bid
2. Terms and Conditions for Bidding
3. Affidavit for Filing with Competitive Bid
4. Specifications/Bid forms for desired item(s) (may be more than one page of information).


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State of Oklahoma
315 W. 6th, Suite 202
Stillwater, OK 74074

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TERMS AND CONDITIONS
THESE ITEMS APPLY TO AND BECOME A PART OF THE BID
NO EXCEPTIONS TO THESE TERMS AND CONDITIONS WILL BE CONSIDERED

1. Bids must be submitted on the included form only. Each bid shall be placed in a separate envelope. Be sure the envelope is completely and properly identified and sealed, showing the bid name and number in the lower left-hand corner.
2. All bids shall be entered on the Bid Form enclosed or a copy thereof. Bids are to be typewritten or in ink. No bidder may withdraw his proposal for a period of thirty (30) days after the date and hour set for the opening of bids.
3. The bidder shall attach the manufacturer's name of the equipment or material to be furnished, type model numbers descriptive bulletins and specifications. All guarantees and warranties should be clearly stated. This data shall be sufficient detail to describe accurately the equipment or material to be furnished. Manufacturer's specifications, in respect to the successful bidder, shall be considered as part of the contract with Payne County.
4. Any exceptions or deviations from written specifications shall be identified in writing and attached to the bid form.
5. The enclosed affidavit for Filing with Competitive Bid MUST be returned with the bid.
6. Payne County reserves the right to reject any and all bids and to waive any technicalities in the bidding.
7. Direct purchase of certain items of equipment or material by Payne County is exempt from Federal Excise Tax and Oklahoma Sales Tax. In such cases, the bidder shall quote prices which do not include Federal Excise Tax and Oklahoma Sales Tax.
8. Bid must show number of days required for delivery under normal conditions. Contractor must keep the County advised at all times of the status of the order. For any exception to the delivery date as specified on this order, vendor shall give prior notification and obtain written approval from the Purchasing Agent. Default in promised delivery date or failure to meet specifications, authorizes the County to purchase supplies elsewhere and charge the full increase of cost and handling to defaulting contractor.
9. Bidder agrees to defend and save Payne County from and against all demands, claims costs expense, damage and judgments based upon infringement of any patent to goods specified in this order or the ordinary use or operation of such goods by the County or use or operation of such goods in accordance with the bidder's direction.
10. If the bid requires a written contract, the successful bidders shall execute a written contract with the county within (10) days after submission of the contracts to said bidder.
11. This bid is submitted as a legal offer, and any bid when accepted by the County constitutes a firm contract.
12. **If the bid is \$50,000.00 or greater, Bidder must furnish a bid bond or cashier's check in the amount of 5% of the bid with bid submission.**
13. **If the bid is \$50,000.00 or greater, successful Bidder must be able to bond. (Performance, Maintenance and Payment Bonds)**
14. Successful bidder will be required to furnish their own Workmen's Comp and General Liability Insurance as required by Oklahoma State Law and by Payne County.

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Payne County Clerk

S.A.&I. 425/1-4040 (2000)

AFFIDAVIT FOR FILING WITH COMPETITIVE BID

STATE OF OKLAHOMA)

)SS

COUNTY OF _____)

_____, of lawful age, being first duly sworn, on oath says, that (s)he is the agent authorized by the bidder to submit the attached 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 county 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 county official concerning exchange of money or other thing of value for special consideration in the letting of a contract.

Firm: _____

Signed by: _____
(manual signature of undersigned)

Title: _____

Address: _____

City: _____ State: _____

Zip: _____ Tax ID: _____

Telephone (____) _____ Fax (____) _____

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

_____. Notary Public (or Clerk or Judge)

My commission expires: _____

Note:

Each competitive bid submitted to a county, school district or municipality must be accompanied with the above Affidavit as required by 61 Okl.St.Ann. § 138

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PAYNE COUNTY, OKLAHOMA BOARD OF COUNTY COMMISSIONERS

SPECIFICATIONS & SPECIAL PROVISIONS

FOR

PAYNE COUNTY DISTRICT 3 BRIDGE# 145-3

Prepared By:



4555 W Memorial Rd.
Oklahoma City, OK 73142



Wayne Clark, Project Coordinator

INSTRUCTIONS TO BIDDERS: COMPLETION OF THE DETAILED BID FORM

“Bid A: Steel Material” on BP1 is the lump sum bid to provide the planned quantity of materials listed in the table on sheet BP 2, exclusive of labor.

“Bid B: Labor & Non-Steel Material” on BP1 is the lump sum bid to provide all labor necessary to construct the project as indicated in the plans and specifications, as well as the plan quantity of materials as listed in the table on sheet BP 3. (These materials are included with the Labor bid as opposed to the Material bid to enable steel vendors to bid on materials.)

“Optional Bid Items (Pilot Holes)” on BP1 is the lump sum bid to drill and backfill 12 pilot holes for the abutment piles. Pilot holes are listed as “optional” because they are not anticipated and will only be paid for if rock prevents 20 feet of pile from being driven below ground line (see plan note). Optional Bid Items are considered part of Bid B; the contractor providing services under Bid B will provide the Optional Bid Items if site conditions necessitate use of pilot holes.

Some material quantities have the potential for minor over-runs during construction. For these items, please enter the UNIT price for which ADDITIONAL materials will be provided if planned quantities are insufficient. It is recognized that small material quantities provided after the initial delivery may be more costly to provide (for example, delivering an additional 100 lbs of reinforcing steel may cost more per pound than delivering the first 5,830 lb).

If the “Unit Price...” square is blacked out for an item, there is no potential for over-run and no unit price need be entered (for example, under no circumstances will payment be made for more bridge beams than the planned quantity).

The contractor will not be compensated for additional materials until he provides proof that the original plan quantity of the item(s) for which he is seeking additional compensation has already been provided.

A vendor may choose to submit a bid for both Bids A and B, for Bid A only, or for Bid B only.

DUE TO THE STRUCTURE EXPLAINED ABOVE, MULTIPLYING QUANTITIES BY UNIT PRICES IN THE TABLES ON BP4 AND BP5 DOES NOT NECESSARILY YIELD THE FIGURES ENTERED FOR BID A AND BID B ON BP3.

All bidders submitting a bid for Bid “B” must be in attendance at the Mandatory Pre-Bid Meeting, to be held on August 20th at 10:00 a.m. Please meet at the District 3 County Barn, at 506 Expo Circle South, Stillwater, OK. Bidders submitting a bid for Bid “A” are encouraged to attend.

Bid A: Steel Material	\$ _____
Bid B: Labor and Non-Steel Material	\$ _____
Total (if Bidding both A & B)	\$ _____
Optional Bid Items (Pilot Holes)	\$ _____

PLEASE INCLUDE THIS SHEET AS THE FIRST SHEET IN YOUR SUBMITTAL.
Optional Bid Items to be provided as part of Bid B if necessitated by site conditions.

DETAILED BID FORM ITEMS
See Instructions to Bidders for additional information.

**PAYNE COUNTY DISTRICT 3 BRIDGE# 145-3 BID “A” PAY ITEMS:
STEEL MATERIAL ONLY, NO LABOR**

Description	Unit	Plan Quantity	Unit Price for Mat'l Over Plan Qty.
60' W27X94 I-BEAM	EA	2	
HP10x42 Piles	LF	1,402	\$
10 Gauge Galv. Sheet Piling	SY	360	\$
1.3C24 Gauge Galv. Deck Forms	SF	1,185	
W6x20 Posts	LF	160	
4 ¾" x ½" x 8 7/8" Stiffener Plates	EA	56	
¾" x 5/8" x 2'-1 7/16" Bearing Stiffener Plates	EA	28	
5/8" Dia. x 6" Studs	EA	170	\$
C10x20 (Deck Headers)	LF	60	\$
C5x9 Channel (Shear Connectors)	LF	100	\$
C8x11.5 (Bracing & Deck Side Forms)	LF	320	\$
C15x33.9 Wing Caps	LF	80	\$
3"x3"x1/4" Angle	LF	720	\$
6"x4"x5/16" Angle	LF	60.0	\$
Reinforcing Steel	LB	5,263	\$
W-Beam Guard Rail	LF	338	
Guard Rail Anchor Units (Turn Downs & Fishtail)	EA	4.0	

PAYNE COUNTY DISTRICT 3 BRIDGE# 145-3 BID “B” PAY ITEMS:
LABOR AND NON-STEEL MATERIAL

Description	Unit	Plan Quantity	Unit Price for Mat'l Over Plan Qty.
Class AA Concrete	CY	39	\$
Riprap	TON	550	
Filter Blanket	TON	70	
Construction Excavation	CY	550	
6" Perforated Pipe Underdrain	LF	56	
6" Non-Perforated Pipe Underdrain	LF	30	\$
Pipe Underdrain Cover Material (Filter Sand)	CY	7	
Pipe Underdrain Cover Material (Coarse Cover Aggregate)	CY	2	
Filter Fabric	SY	32	
Removal of Structures and Obstructions	LSUM	1	
HP 10x42 Piles, Driven ¹	LF	1,402	\$
HP 10x42 Piles, Spliced ²	EA	14.0	\$
Riprap	TON	550.0	
Project Labor	LSUM	1.0	

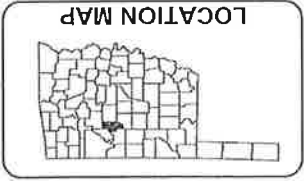
¹Price bid per foot for *labor only* to drive additional H-piles if estimated plan quantity is insufficient.

²Price bid per each for *labor only* to splice additional H-piles if necessary.

PAYNE COUNTY DISTRICT 3 BRIDGE# 145-3 OPTIONAL BID ITEMS:

Description	Unit	Plan Quantity	Total Bid Price
PILOT HOLE ¹	EA	30.0	\$

¹Pilot holes shall only be drilled if rock is encountered which prevents driving piles a minimum of 20 ft. below ground line. Price bid for pilot holes includes concrete and granular backfill; see plan detail.



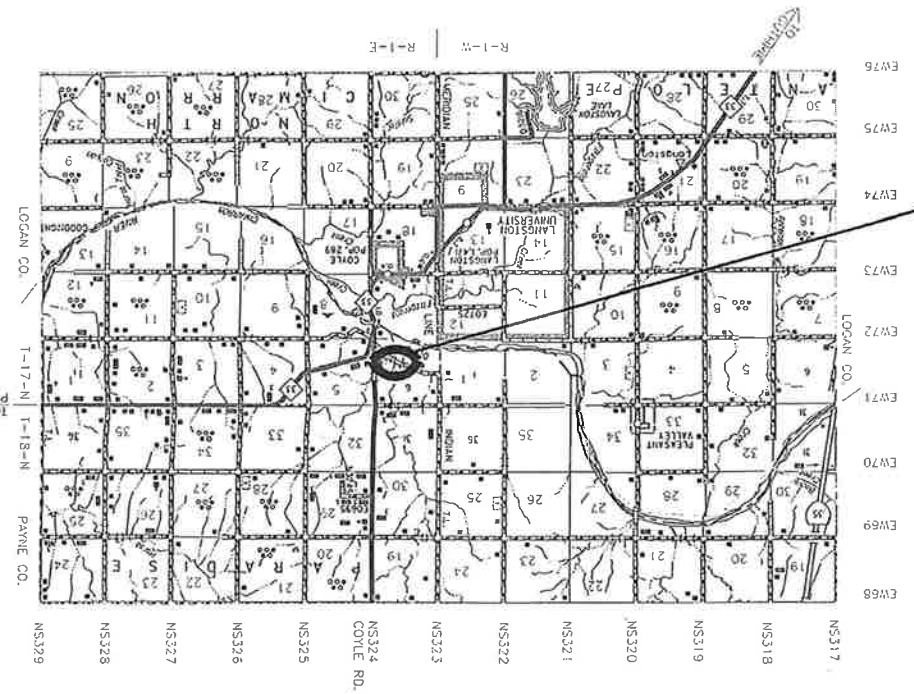
Latitude 35° 58' 28.80"
Longitude 97° 13' 58.46"



SCALES
LAYOUT MAP 1"=10,560'

- CONVENTIONAL SIGNS
- PROPOSED LINES
 - SECTION LINES
 - QUARTER SECTION LINES
 - FENCES
 - EXISTING GRADE
 - EXISTING ROADS
 - PROPOSED GRADE
 - BACK LINE
 - COMMUNICATION LINES (EXISTING)
 - POWER LINES (EXISTING)
 - GAS LINE (EXISTING)
 - SANITARY SEWER LINES (EXISTING)
 - WATER LINES (EXISTING)
 - COMMUNICATION LINES (PROPOSED)
 - POWER LINES (PROPOSED)
 - GAS LINE (PROPOSED)
 - SANITARY SEWER LINES (PROPOSED)
 - WATER LINES (PROPOSED)
 - BUILDINGS
 - DRAINAGE STRUCTURES (EXISTING)
 - RIGHT-OF-WAY LINES (EXISTING)
 - RIGHT-OF-WAY FENCE
 - FLOWLINE (EXISTING)
 - FLOWLINE (PROPOSED)
 - TOE OF SLOPE (EXISTING)
 - TOE OF SLOPE (PROPOSED)
 - CITY LIMITS
 - LANDSCAPE

PLAN OF PROPOSED
COUNTY BRIDGE
OVER UNNAMED CREEK
LOCAL BRIDGE NO. 145-3
PAYNE COUNTY, OKLAHOMA
LOCATION: 60E0715N3230009
REMOVE BRIDGE NBI:#03659
CONSTRUCT NBI:



BRIDGE LENGTH 60 FEET

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	TITLE SHEET
2.	GENERAL NOTES AND SUMMARY OF PAY QUANTITIES
3.	BRIDGE SECTIONS AND DETAILS
4.	ADJUTANT PLAN AND ELEVATION
5.	GUARDRAIL AND BRIDGE ALIGNMENT DETAIL

APPROVED
PAYNE COUNTY COMMISSIONER

DIST. NO. 2

ATTEST

COUNTY CLERK

DATE:

APPROVED BY: CEC CORPORATION
CA 32 6/30/26
OKLAHOMA CITY, OKLAHOMA

APPROVED BY: PURY LYPLE ENGINEERING, LLC
CA 8404 6/30/25
STILLWATER, OKLAHOMA

DATE: 5/27/2025

DATE: 5/27/2025

CEC

PE

SHEETS 2-4
TIMOTHY RAY PURKEYPYLE
OKLA LICE NO. 16021

SHEETS 1&5
ETHAN LEALE YORK
OKLA LICE NO. 33024

DATE: 5/27/2025

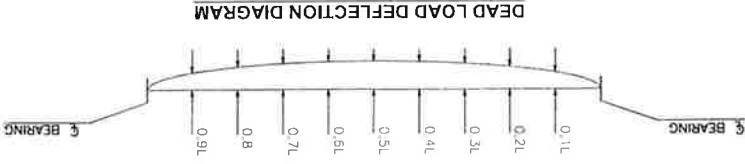
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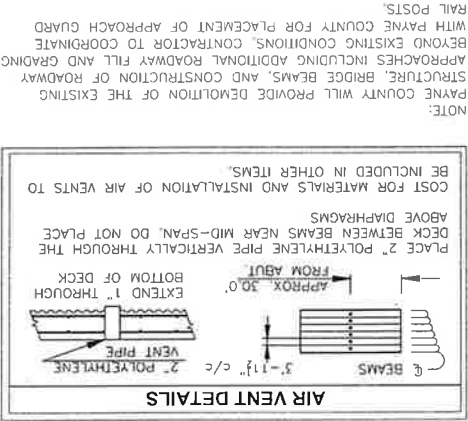
PE

BRIDGE PAY QUANTITIES		
60' X 24'-7" I-BEAM SPAN - LOCAL BRIDGE 145-3		
DESCRIPTION		
UNITS		QUANTITY
60' W27x94 BRIDGE BEAMS (FY=50 KSI)	EA	(1)
HP10x42	LF	(2)
10 GAUGE GALV. SHEET PILING	SY	(3)
13024 GAUGE GALV. DECK FORMS	SF	(4)
W6x20 (RAIL POSTS)	LF	(5)
4 1/2" x 1/2" x 8 3/4" STIFFENER PLATES	EA	56
3 1/2" x 1/2" x 7'-1 1/4" BEARING STIFFENER PLATES	EA	28
3/4" DIA. x 6" STUDS	EA	170
C10x33.9	LF	60
3x3x1/4" ANGLE	LF	720
6"x4"x3/8" ANGLE	LF	60
REINFORCING STEEL	LB	5,263
W-BEAM GUARD RAIL	LF	338
GUARD RAIL ANCHOR UNITS (TURN DOWNS, FISHTAIL)	EA	4
CLASS "AA" CONCRETE	CY	39
RRRAP	TON	550
FILTER BLANKET	TON	70
CONSTRUCTION EXCAVATION	CY	550
6" PERFORATED PIPE UNDERDRAIN	LF	56
6" NON-PERFORATED PIPE UNDERDRAIN	LF	30
PIPE UNDERDRAIN COVER MATERIAL (FILTER SAND)	CY	7
PIPE UNDERDRAIN COVER MATERIAL (COARSE COVER AGGREGATE)	CY	2
FILTER FABRIC	LSUM	1
REMOVAL OF STRUCTURES AND OBSTRUCTIONS		
(20)	LSUM	(20)
OPTIONAL BID ITEMS		
EA	(21)	30

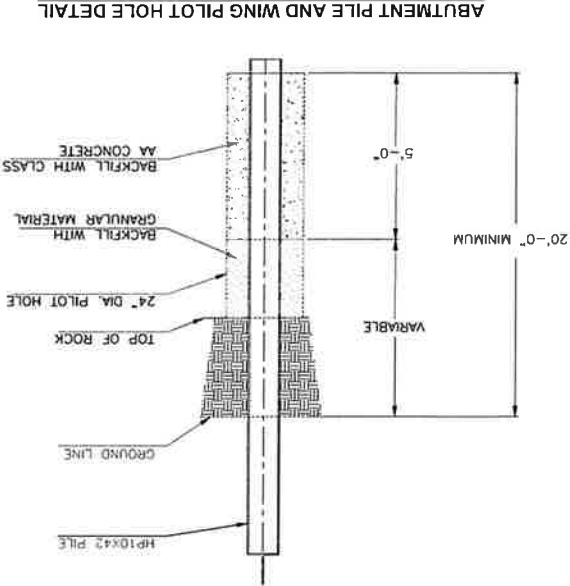
DEFLECTION SCHEDULE:	
Beam & Diaphragm Deflections	0.00"
CL Bearing	0.00"
0.1L & 0.9L	0.10"
0.2L & 0.8L	0.19"
0.3L & 0.7L	0.26"
0.4L & 0.6L	0.30"
0.5L	0.31"
Steel, SIF, Deck Slab, Haunch,	
Rail Deflections	
CL Bearing	0.00"
0.1L & 0.9L	0.37"
0.2L & 0.8L	0.69"
0.3L & 0.7L	0.95"
0.4L & 0.6L	1.11"
0.5L	1.17"



1. THE COUNTY WILL PROVIDE FIVE (5) INTERIOR W27x94, (FY=36 KSI) BEAMS, THE CONTRACTOR WILL BE RESPONSIBLE FOR SAFELY LOADING AND TRANSPORTING THE FIVE (5) BEAMS TO THE PROJECT SITE. THE CONTRACTOR SHALL PROVIDE TWO (2) NEW W27x94 (FY=50 KSI) BEAMS TO BE PLACED ON THE EXTERIOR EDGES OF THE BRIDGE.
2. ESTIMATED QUANTITY, BASED ON 50' EACH FOR 14 SEAT PILES, 40' EACH FOR 16 WING PILES, AND TWO 30'-7" CAPS. THE REQUIRED REACTION FOR EACH SEAT IS 33.0, AND ABUTMENT PILE WING IS 10 TONS. THE GATES EQUATION, AS GIVEN IN SECTION 514.04.E(2) OF THE ODOT STANDARD SPECIFICATIONS, SHALL BE USED TO DETERMINE THE AXIAL LOAD RESISTANCE OF THE DRIVEN FOUNDATION PILES.
3. NET QUANTITY WITH NO ALLOWANCE FOR WASTE.
4. DECK FORMS SHALL BE A VULCRAFT 13024 OR APPROVED EQUAL. NET QUANTITY, SIDE AND END LAPS NOT INCLUDED.
5. 159'-4" NET QUANTITY, 160 LF GROSS QUANTITY ASSUMES 8'-20" PIECES.
6. 56'-9" NET QUANTITY, 160 LF GROSS QUANTITY ASSUMES 5'-20" PIECES.
7. 82'-6" NET QUANTITY, 100 LF GROSS QUANTITY ASSUMES 5'-20" PIECES.
8. 315'-0" NET QUANTITY, 320 LF GROSS QUANTITY ASSUMES 16'-20" PIECES.
9. 76' NET QUANTITY, 80' GROSS QUANTITY ASSUMES 4'-20" PIECES.
10. BASED ON 329'-4" NET LENGTH FOR 76 CROSS BRACES 4'-4" LONG AND 340'-0" NET LENGTH FOR 102 DECK SUPPORTS 3'-4" LONG. GROSS QUANTITY OF 720 LF ASSUMES 36'-20" PIECES.
11. 56'-10" NET QUANTITY, 60 LF GROSS QUANTITY ASSUMES 3'-20" PIECES.
12. SEE REINFORCING STEEL SUMMARY FOR SIZES AND LENGTHS.
13. PRICE BID TO INCLUDE SLAB BOLSTERS TO BE PLACED AT NO MORE THAN 4 FT CENTERS. SLAB BOLSTERS SHOULD BE 5'-0" IN LENGTH WITH 5" LEO SPACING AND SHALL HAVE A CLASS 1 PLASTIC PROTECTED OR CLASS 2 TYPE B STAINLESS STEEL PROTECTED FINISH, ESTIMATED QUANTITY 96 1' BOLSTERS (PLACED TRANSVERSELY TO SUPPORT BL BARS) AND 112 1'-1/2" BOLSTERS (PLACED TRANSVERSELY ATOP BL BARS TO SUPPORT TL BARS).
14. CONSISTS OF 87'-6" 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 SPICE SECTIONS TOGETHER, "LESS THE REDUCED SECTION OF 6'-3" ON THE NORTHEAST APPROACH TO AVOID CONFLICT WITH THE SHOP EGRESS".
15. CONSISTS OF 25' GUARD RAIL ELEMENT TWISTED 90 DEGREES TO GROUND AND ALL NECESSARY HARDWARE AND FOOTING.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR CONCRETE TESTING. 1 SET OF CYLINDERS SHALL BE TESTED.
17. RRRAP TO BE PLACED AROUND ABUTMENTS AND WINGS AFTER APPROACH ROADWAY RECONSTRUCTION AND FINAL GRADING COMPLETED. RRRAP TO BE PLACED 18 INCHES THICK, SEE TABLE 713.1 OF THE ODOT STANDARD SPECIFICATIONS. RRRAP AREAS SHOWN ON SHEET 5 ARE ESTIMATED AT 235 TONS.
18. APPROVED BY THE COUNTY.
19. PAY ITEM INCLUDES ESTIMATED QUANTITIES FOR CONSTRUCTION EXCAVATION AND REQUIRED BACKFILL AROUND APPROACHES MUST BE COMPACTED TO A MINIMUM OF 95% DENSITY IN LIFTS NOT TO EXCEED 8" THICK. EXCESS EXCAVATED MATERIAL TO BE DISPOSED OF BY THE CONTRACTOR.
20. ITEM INCLUDES REMOVAL OF EXISTING BRIDGE. EXISTING BEAMS AND DECKING SHALL BE REMOVED IN A MANNER WITH CARE TO SALVAGE THE MATERIAL IN A REUSABLE CONDITION. SALVAGED MATERIALS SHALL BE STAGED ON SITE FOR COLLECTION BY THE COUNTY.
21. A MINIMUM OF 20 FEET OF PILE SHALL BE DRIVEN BELOW THE GROUND LINE IF ROCK IS ENCOUNTERED WHICH PREVENTS 20 FEET OF PILE FROM BEING DRIVEN. PILOT HOLES SHALL BE DRILLED IN THE ROCK AS SHOWN IN "ABUTMENT PILE PILOT HOLE DETAIL". PILES SHALL STILL BE DRIVEN INTO ROCK UNTIL THE REQUIRED PILE BEARING CAPACITY IS REACHED AS DETERMINED FROM THE GATES EQUATION. THE BOTTOM FIVE FEET OF THE PILOT HOLE SHALL BE BACKFILLED WITH CONCRETE. ANY REMAINING PILOT HOLE DEPTH SHALL BE BACKFILLED WITH GRANULAR MATERIAL. COST OF CONCRETE AND GRANULAR MATERIAL SHALL BE INCLUDED IN PRICE BID FOR PILOT HOLES. A WING PILE SHALL BE DRIVEN FIRST. IF SHALLOW ROCK IS ENCOUNTERED THE PILE NEED NOT BE REMOVED. IT MAY BE CUT OFF AT THE APPROPRIATE HEIGHT AND PILOT HOLES SHALL BE DRILLED FOR ALL REMAINING PILES.



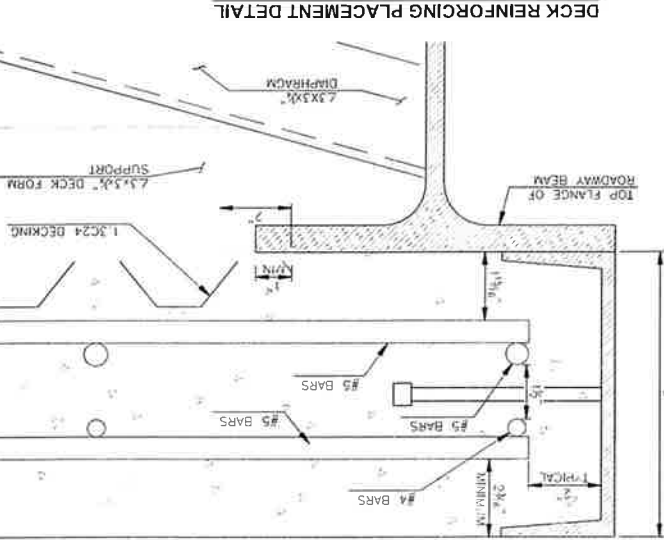
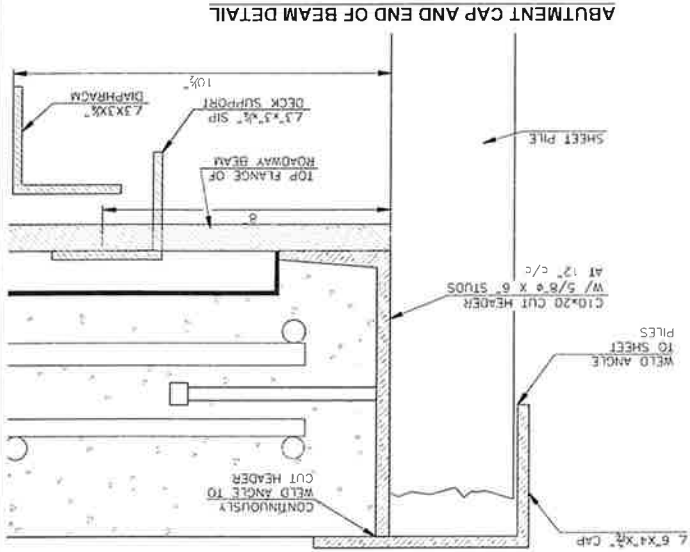
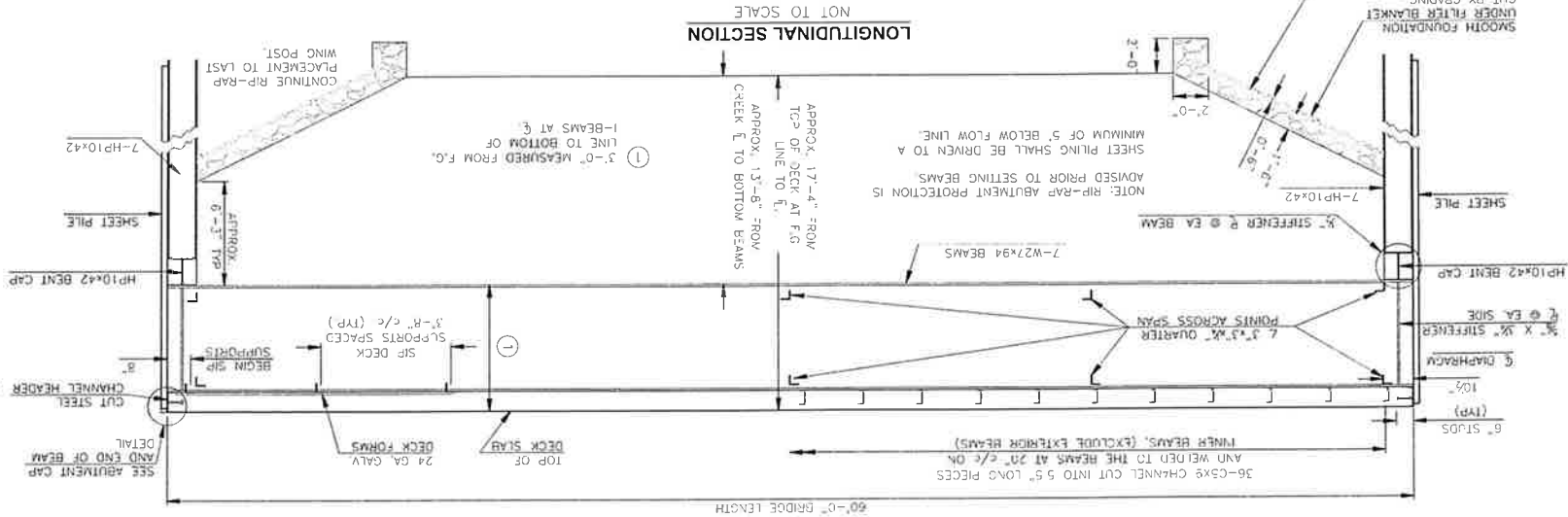
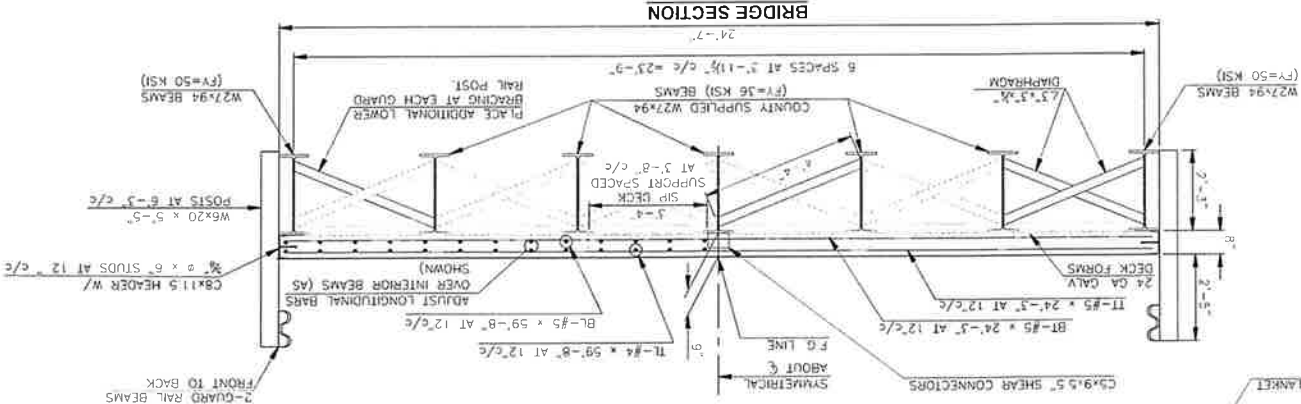
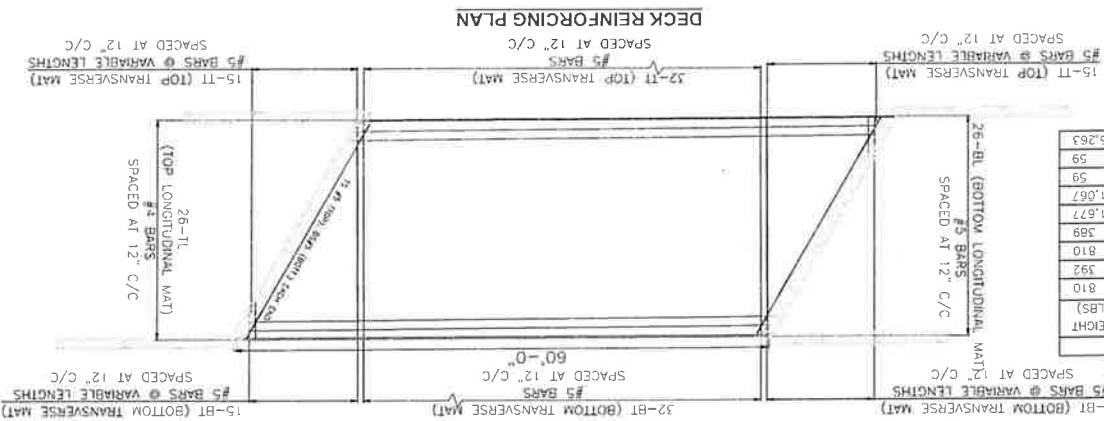
DESIGN DATA	
CONCRETE: CLASS "AA"	4,000 psi
REINFORCING STEEL: (Gr. 60)	60,000 psi
STRUCTURAL STEEL: (ALL NEW STEEL + NEW W27x94 BEAMS)	50,000 psi
DESIGN LOADING: H20 TRUCK + 30% IMPACT AND 5 PSF	
SLAB-IN-PLACE DECK FORM ALLOWANCE	
LF/D OPERATING RATING: H 23.0 tons	
NOTE: MINIMUM COMPRESSIVE STRENGTH FOR CLASS AA CONCRETE SHALL BE 4,000 P.S.I. AT 28 DAYS.	
MAXIMUM FACTORED PILE LOAD = 33.0 TONS (AT ABUTMENT SEATS)	
MAXIMUM FACTORED PILE LOAD = 10.0 TONS (AT ABUTMENT WINGS)	



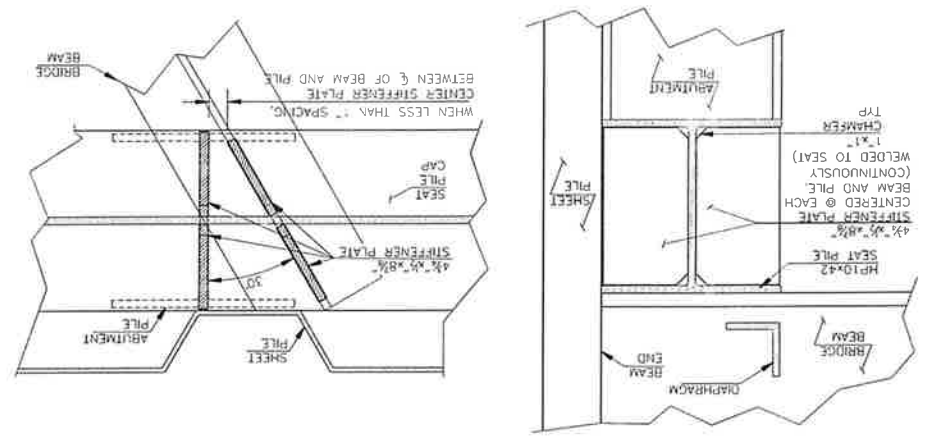
	DESIGN	T R P.	CFC	SUMMARY OF PAY QUANTITIES	SHEET NO. 2
	DRAWN	R L P.			
	5/6/75				
	LOCAL BRIDGE 145-3				
	PAYNTE COUNTY				

MARK	SIZE	SPACING	LENGTH	NUMBER	WEIGHT (LBS)
BT	5	12"	24'-3"	32	810
BT-VAR	5	12"	1'-8" TO 23'-4"	30	392
TT	5	12"	24'-3"	32	810
TT-VAR	5	12"	1'-6" TO 23'-4"	30	388
BL	5	12"	61'-10"	26	1,067
TL	4	12"	61'-5"	26	1,067
BS	5	-	27'-10"	2	59
TS	5	-	27'-10"	2	5,263

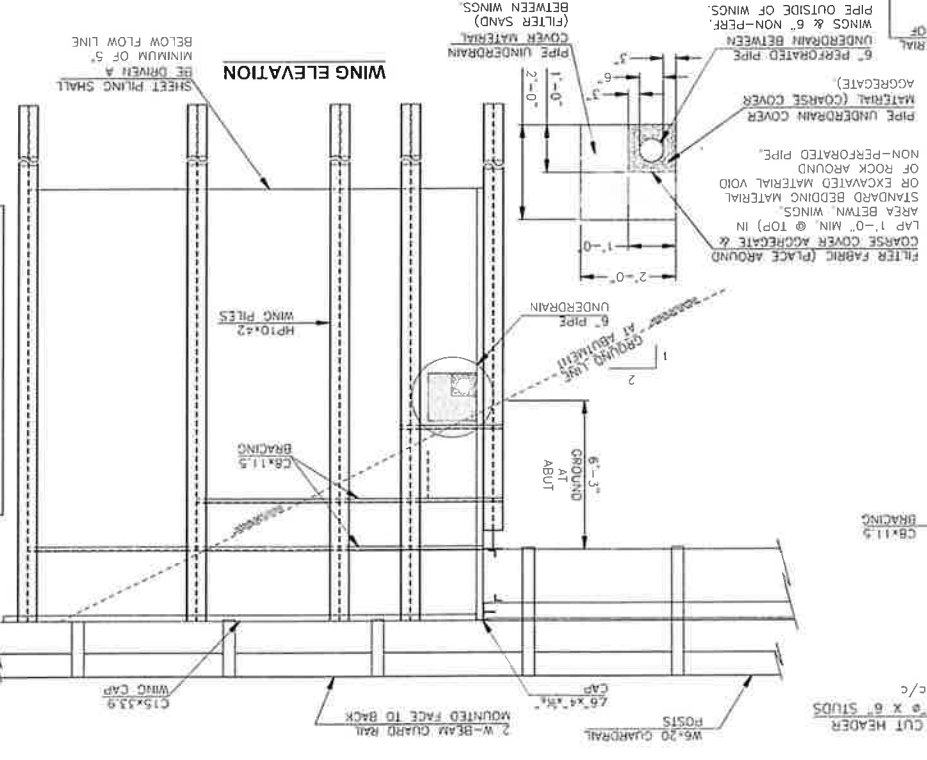
② QUANTITY INCLUDES ALLOWANCE FOR ONE 2'-2" LAP
③ QUANTITY INCLUDES ALLOWANCE FOR ONE 1'-9" LAP



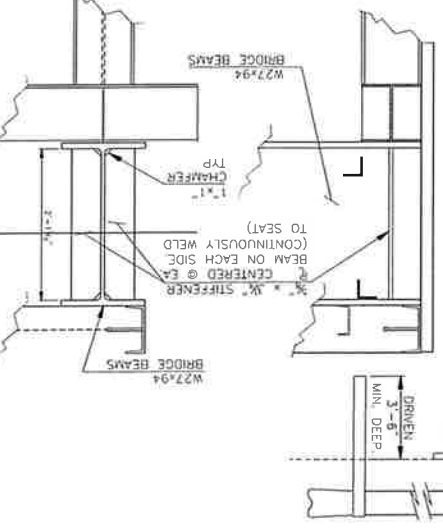
STIFFENER PLATE ELEVATION AND PLAN VIEW DETAILS



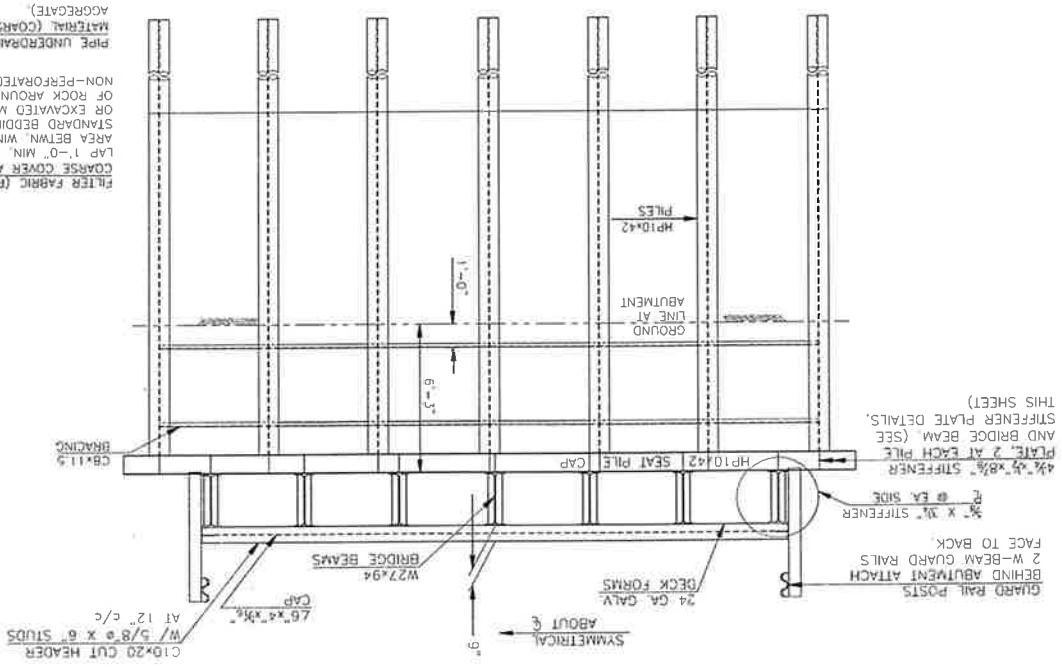
PIPE UNDERDRAIN SECTION PLAN VIEW DETAILS



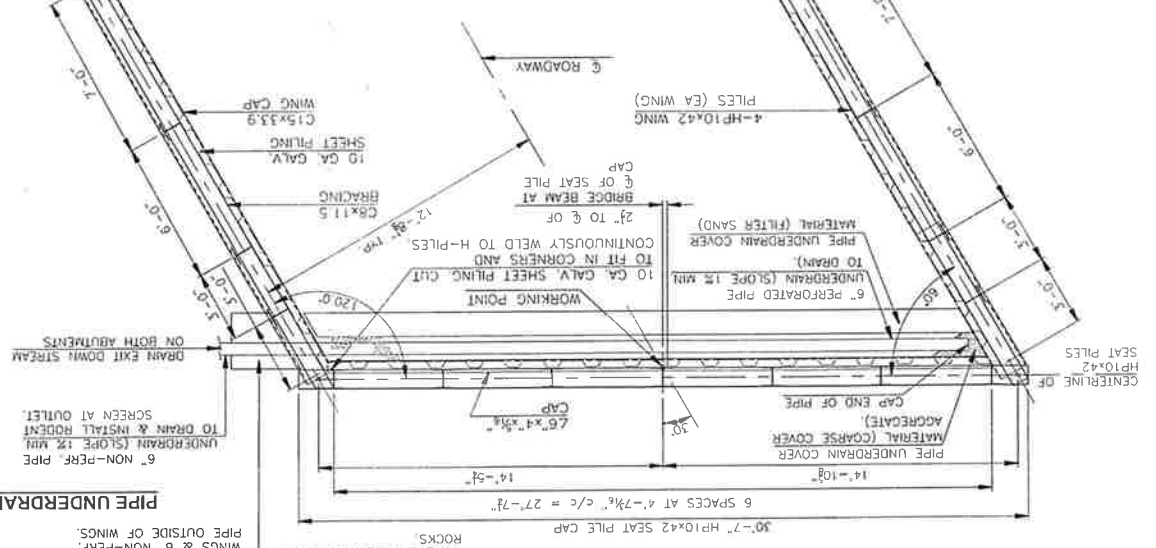
BEARING STIFFENER PLATE ELEVATION AND PLAN VIEW DETAILS

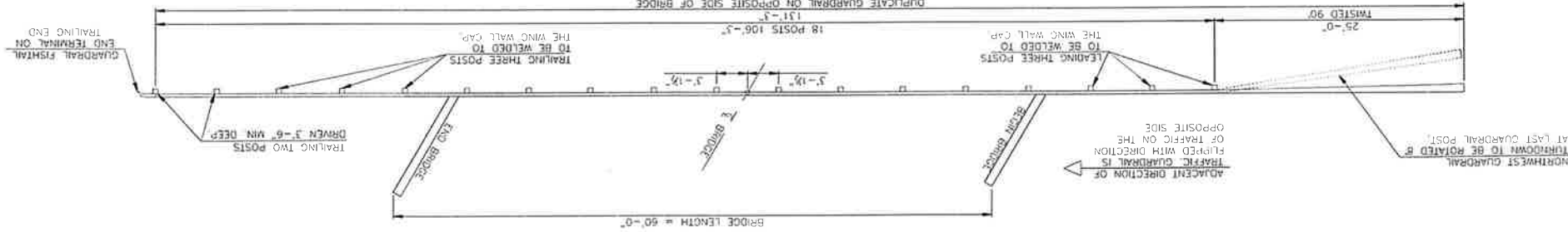


ABUTMENT ELEVATION



ABUTMENT PLAN





GUARD RAIL DETAIL

