

SPECIFICATIONS AND BID DOCUMENTS

For

BEAVER COUNTY

Bid No. 2

59' I-Beam Bridge on EW 19
And
36' I-Beam Bridge on EW 30

October 2017



615 N. Hudson Ave.
Oklahoma City, Oklahoma 73102
Phone (405) 815-3600
Fax (405) 815-4080

NOTICE TO BIDDERS

BID No. 2

Notice is hereby given that Beaver County will accept bids on the following:

Construction of a Bridge Structure for a 59 foot long I-beam Bridge with a concrete deck.
Bridge No. 04-40. The bridge location is 04E0190N141002, and
Construction of a Bridge Structure for a 36 foot long I-beam Bridge with a concrete deck.
Bridge No. 04-76. The bridge location is 04E0300N149005.
The beams will be provided by the County at the site.

A Non-Collusion Affidavit and a Business Relationship Affidavit are part of the bid requirements.

Plans, forms of proposals, contracts and specifications may be examined at the following locations:

Southwest Construction News
www.swcnews.com

Bid News Construction Report
www.constructconnect.com

F.W. Dodge
www.construction.com/dodge

Beaver County Clerk's Office
111 W. 2nd
Beaver, Oklahoma 73932

EST, Inc.
615 N. Hudson, Suite 300
Oklahoma City, Oklahoma 73102
Engineer of Record: Don Russell
(405) 815-3666

Bids will be received until 5:00 P.M., Friday, October 13, 2017, and will be opened at 10:30 A.M. Monday, October 16, 2017 during the Beaver County Commissioners' meeting held at 111 W. 2nd, Beaver, Oklahoma.

The Beaver County Commissioners reserve the right to reject any and all bids submitted.

This work will be done under the Oklahoma Department of Transportation Standard Specifications for Highway Construction, except as modified herein by plans and special provisions.

Bids must be accompanied by all necessary affidavits and a 5% bid bond in a certified or cashier's check or surety bond made payable to Beaver County and shall accompany the sealed proposal of each bidder. The surety bond or cash guarantees Beaver County that the Contractor will, if awarded a contract, provide the necessary Performance Bond(s) and properly completed contract within the time required by Beaver County. Evidence of having proper workmen's compensation coverage for employees as provided by Title 85 of the Oklahoma Statutes Section 61 shall be required prior to issuance of a work order.

Upon award of contract to a successful bidder, the contract will be completely executed within ten (10) working days from the date of award by the successful bidder and Beaver County.

Beaver County hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantage business programs will be afforded full opportunity to submit bids in response to this invitation, and will not be discriminated against on the grounds of race, color, sex, religion or national origin in consideration for an award.

Lisa Bennett
County Clerk

SPECIAL PROVISIONS

SCOPE OF WORK

The scope of this project shall include construction of a 59' long I-beam bridge with a concrete deck and a 36' long I-beam bridge with a concrete deck. The beams will be provided by the County at the sites. The unit price bid shall include all labor and materials, except for the beams, required to complete the bridge in accordance with the enclosed plans and specifications. Plan quantity does not include cut off, lap, or waste. The Contractor shall adjust the price bid for any cut off, lap, or waste.

The contractor shall be responsible for all underground utilities. Call OKIE at 1-800-522-6543 two days prior to beginning construction.

STANDARD SPECIFICATIONS

All work shall be performed in accordance with the "Standard Specifications for Highway Construction", Oklahoma State Highway Commission, 2009 Edition, except as modified herein. The aforementioned specifications are hereby incorporated by reference and shall have full force and effect as though printed herein.

For the purposes of this contract, Beaver County shall be substituted for "Commission" where it appears in the specifications and "the Engineer" shall mean EST, Inc., 615 N. Hudson Ave., Suite 300, Oklahoma City, OK, 73102.

CERTIFICATIONS AND TEST REPORTS

The contractor shall be responsible for furnishing the necessary certifications and tests reports for materials used in this project to the Engineer. No material for which a certification or test report is required by these specifications shall be incorporated into the work until a satisfactory certification or test report has been received and approved by the Engineer.

Construction testing will be performed by the Contractor. Copies of all test reports shall be provided to the County and the Engineer.

TIME OF COMPLETION

All work included in this contract shall be completed within ninety (90) calendar days. Rates for liquidated damages for this project will be \$500.00 per calendar day.

BASIS OF MEASUREMENT AND PAYMENT

Payment will be made at the Unit Price bid. The price bid shall include all labor, materials and equipment necessary to complete the bridge.

Beaver County shall make two (2) payments, for each bridge, to the Contractor in the following manner: one payment will be made when the abutments are complete and the beams are in place, the second payment will be made when the bridge is complete and accepted by Beaver County. The Contractor will furnish to the County a statement for all materials and labor for each claim. The statement will include proof of payment of all labor and materials used up to such statement date. The County will review and verify all costs before

processing for payment. Ten percent of the statement will be retained by Beaver County until the project has been completed and accepted by Beaver County.

REQUIREMENTS

The Contractor shall furnish:

- 1 - Performance Bond
- 2 - One Year Maintenance Bond
- 3 - Certificate of Insurance
- 4 - Statutory Bond

BID PROPOSAL FORM
BID NUMBER 2

OWNER: **BEAVER COUNTY COMMISSIONERS**
P.O. Box 338
Beaver, OK 73932

PROJECT: Construction of a Bridge Structure for a 59 foot long I-beam Bridge with a concrete deck for Bridge No. 04-40, and Construction of a Bridge Structure for a 36 foot long I-beam Bridge with a concrete deck for Bridge No. 04-76

1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter an Agreement with OWNER in the form included in the Contract Documents to complete all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract time indicated in this Bid and in accordance with the Contract Documents.
2. BIDDER accepts all of the terms and condition of the Instruction to Bidders, including without limitation those dealing with the disposition of Bid Security. This Bid will remain open for sixty (60) days after the day of Bid opening. BIDDER will sign the Agreement and submit the Contract Security and other documents required by the Contract documents within ten (10) days of the date of Owner's Notice of Award.
3. In submitting this, BIDDER represents, as more fully set forth in the Agreement, that:

(a) BIDDER has examined copies of all the Contract Documents and of the following addenda:

| Date | Number |
|-------|--------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

(receipt of all of which is hereby acknowledged) and also copies of the Advertisement of Invitation to Bid and the Instructions to Bidders;

(b) BIDDER has examined the site and locality where the Work is to be performed, the legal requirements (federal, state and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as BIDDER deems necessary.

(c) This Bid is genuine and not made in the interest of or on behalf of ay undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organizations or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or included any person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over another Bidder or over OWNER.

4. BIDDER accepts the provisions of the Agreement as to liquidated damages of \$500.00 for each consecutive calendar day in the event of failure to complete in 90 days upon Notice to Proceed.
5. The following documents are attached to and made a condition of this Bid:
 - (a) Required Bid Security in the form of a Bid Bond, Certified Check or Cashier's Check.
 - (b) Anti-collusion Affidavit
 - (c) Business Relationships Affidavit
 - (d) Certificate of Non-discrimination

| ITEM NO. | DESCRIPTION | UNITS | QUANTITY | UNIT PRICE | TOTAL PRICE |
|----------|-----------------------------------|-------|----------|------------|-------------|
| 506(A) | 1322 STRUCTURAL STEEL | LB | 14030.00 | | |
| 509(A) | 1326 CLASS AA CONCRETE | CY | 43.30 | | |
| 511(A) | 1332 REINFORCING STEEL | LB | 8560.00 | | |
| 514(A) | 6010 PILES, FURNISHED (HP 10X42) | LF | 240.00 | | |
| 514(A) | PILES, FURNISHED (HP 12X53) | LF | 600.00 | | |
| 514(B) | 6292 PILES, DRIVEN (HP 10X42) | LF | 240.00 | | |
| 514(B) | PILES, DRIVEN (HP 12X53) | LF | 600.00 | | |
| SP | 26 GA. TENSILE FORM | SF | 1593.00 | | |
| SP | 10 GA. GALV. SHEET PILING | SF | 1980.00 | | |
| SP | BEAM GUARDRAIL ON THE BRIDGE | LF | 125.00 | | |
| 880(J) | 8905 CONSTRUCTION TRAFFIC CONTROL | LSUM | 1.00 | | |

SUB-TOTAL BRIDGE A _____

| ITEM NO. | DESCRIPTION | UNITS | QUANTITY | UNIT PRICE | |
|----------|-----------------------------------|-------|----------|------------|--|
| 506(A) | 1322 STRUCTURAL STEEL | LB | 8350.00 | | |
| 509(A) | 1326 CLASS AA CONCRETE | CY | 23.30 | | |
| 511(A) | 1332 REINFORCING STEEL | LB | 4600.00 | | |
| 514(A) | 6011 PILES, FURNISHED (HP 12X53) | LF | 560.00 | | |
| 514(B) | 6294 PILES, DRIVEN (HP 12X53) | LF | 560.00 | | |
| SP | 26 GA. TENSILE FORM | SF | 966.00 | | |
| SP | 10 GA. GALV. SHEET PILING | SF | 1536.00 | | |
| SP | BEAM GUARDRAIL ON THE BRIDGE | LF | 75.00 | | |
| 880(J) | 8905 CONSTRUCTION TRAFFIC CONTROL | LSUM | 1.00 | | |

SUB-TOTAL BRIDGE B _____

TOTAL BID _____

Dollars (\$ _____)

The undersigned, as bidder, declares under oath that the only person or parties interested in the foregoing proposal as principals are those named herein; that this proposal is made without either directly or indirectly entering into any agreement, participating in any collusion, or otherwise taking any action in restraint of free competitive bidding in connection therewith; that the undersigned has no financial interest in or other affiliations in a business way with any other bidder for the contract on this project; that careful examination of instructions to bidders, specifications, and the plans therein referred to has been made, and that careful examination of the locations, conditions and classes of materials of the proposed work has been made; and the undersigned agrees to provide all the necessary machinery, tools, apparatus, and other means of construction, and will do all the work and furnish all the materials called for in the contract and specifications in the manner prescribed therein and according to the requirements of the Engineer at the price as above set forth.

The undersigned further proposes to enter into contract within ten (10) days after receipt of notice that the work has been awarded to the undersigned, to commence work as directed by the work order from the Engineer and to complete the entire work within ninety (90) calendar days after work is authorized. The time limit and other limiting conditions herein set forth are hereby accepted and if such requirements are changed, it is understood that such change will invalidate this bid.

It is understood that Beaver County reserves the right to reject any or all bids.

Respectfully submitted,

NAME OF CONTRACTOR

(Signature)

STATE OF OKLAHOMA)
COUNTY OF) SS.

(Address)

(Telephone No.)

(Title)

Subscribed and sworn to before me, the undersigned, a Notary Public in and for the State of Oklahoma this _____ day of _____, 2017.

NOTARY PUBLIC

My commission expires: _____

Commission Number: _____

ANTICOLLUSION AFFIDAVIT

The following affidavit is submitted by Bidder as a part of this bid and proposal:

STATE OF OKLAHOMA)
COUNTY)

The undersigned deponent, of lawful age, being duly sworn, upon his oath deposes and says: That he has lawful authority to execute the within and foregoing proposal; that he has executed the same by subscribing his name hereto under oath for and on behalf of said bidder; that bidder has not directly or indirectly entered into any agreement, express or implied, with any bidder or bidders, having for its object the controlling of the price of amount of such bid or bids, the limiting of the bids or the bidders, the parceling or farming out to any bidder or bidders or other persons of any part of the contract or any part of the subject matter of the bid or bids or of the profits thereof, and that he has not and will not divulge the sealed bid to any person whomsoever, except those having a partnership or other financial interest with him in said bid or bids, until after the said sealed bid or bids are opened.

Deponent 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 discussion between bidders and any County 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 Beaver County any money or other thing of value, either directly or indirectly, in the procuring of the award of contract pursuant to this bid.

Signed _____
Name of Bidder

By _____

Title _____

Subscribed and sworn to before me this _____ day of _____, 2017.

Notary Public

My commission expires: _____

Commission Number: _____

CERTIFICATE OF NON-DISCRIMINATION

In connection with the performance of work under this contract, the contractor agrees as follows:

- A. The Contractor agrees not to discriminate against any employee or applicant for employment because of race, color, sex, national origin or ancestry. The Contractor shall take affirmative action to insure that employees are treated without regard to their race, creed, color, national origin, sex, or ancestry. Such actions shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruiting or recruitment, advertising, lay-off, or termination, rates of pay or other forms of compensation and selection for training, including apprenticeship. The Contractor and Sub-Contractor shall agree to post in conspicuous place, available to employees and applicants for employment notices to be provided by the Beaver County Clerk setting forth provisions of this section.

- B. In the event of the Contractor's non-compliance with this non-discrimination clause, the contract may be canceled or terminated by Beaver County. The Contractor may be declared by Beaver County ineligible for further contracts with the said agency until satisfactory proof of intent to comply shall be made by the Contractor.

- C. The Contractor agrees to include this non-discrimination clause in any sub-contracts connected with the performance of this agreement.

I have read the above stated clause and agree to abide by its requirements.

CONTRACTOR

Subscribed and sworn to before me this _____ day of _____, 2017.

Notary Public

My commission expires: _____

Commission Number: _____

BRIDGE "A" 04-40 ~ OLD NBI
LOCATION 04E0190N1410002 ~ NEW NE
BRIDGE "B" 04-76 ~ OLD NBI
LOCATION 04E0300N1490005 ~ NEW NE

DESIGN DATA

ADT BR A =100
ADT BR B =50
V =45 MPH

SCALES



PLAN 1" = 50'
PROFILE HORIZONTAL 1" = 50'
PROFILE VERTICAL 1" = 5'

ALL HEAVY EQUIPMENT TO BE USED ON THIS PROJECT SHALL BE STEAM CLEANED PRIOR TO DELIVERY TO THE PROJECT SITE. THE CONTRACTOR SHALL INSPECT THE EQUIPMENT DAILY FOR OIL/FUEL LEAKS AND MAINTAIN AN INSPECTION LOG, WHICH SHALL BE AVAILABLE TO THE TRIBAL PROJECT MANAGER AND THE SOUTHERN PLAINS REGIONAL OFFICE CONSTRUCTION ENGINEER AND INSPECTORS. SHOULD THE CONTRACTOR DISCOVER AN OIL/FUEL LEAK, HE/SHE SHALL DISCONTINUE USE OF THE EQUIPMENT UNTIL REPAIRS HAVE BEEN MADE. THE CONTRACTOR SHALL REPORT ANY OIL/FUEL SPILL EXCEEDING FIVE (5) GALLONS.

CONTRACTOR AND ALL SUBCONTRACTORS SHALL COMPLY WITH ALL TRIBAL, FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT. POLLUTION OF STREAMS, LAKES, PONDS, AND RESERVOIRS WITH FUELS, OILS, BITUMENS, CHEMICALS, OR OTHER HARMFUL MATERIALS AND POLLUTION OF THE ATMOSPHERE FROM PARTICULATE AND GASEOUS MATTER SHALL BE AVOIDED. ALL DEMOLITION DEBRIS INCLUDING BUT NOT LIMITED TO ASPHALT, METAL, AND CONCRETE ARE TO BE CONTROLLED, CONTAINED, COLLECTED, REMOVED, AND PROPERLY DISPOSED AND SHALL NEVER ENTER NOR IMPINGE UPON THE WATERWAY.

CONTRACTOR AND ALL SUBCONTRACTORS SHALL USE PROTECTIVE MEASURES OF AIR, NOISE, AND WATER QUALITY BY THE USE OF PRUDENT CONSTRUCTION PRACTICES SUCH AS DUST CONTROL, OPERATING EQUIPMENT ONLY IN DAYLIGHT HOURS, AND IMPLEMENT STORM WATER MANAGEMENT TO MEET OR EXCEED ALL PERMIT REQUIREMENTS ASSOCIATED WITH THE CONSTRUCTION OF THE PROJECT SITE AND ALL OFF-SITE FACILITIES.

WHENEVER ENCOUNTERING ARCHAEOLOGICAL REMAINS DURING THE EXCAVATION OF AN APPROVED OFF-SITE FACILITY OR ON THE PROJECT SITE, THE CONTRACTOR SHALL IMMEDIATELY CEASE THE OPERATION IN THE NOTED AREA OF CONCERN AND NOTIFY THE TRIBAL PROJECT OFFICER AND THE CONTRACTING OFFICER'S REPRESENTATIVE, WHO WILL CONTACT THE PROPER AUTHORITIES FOR AN EVALUATION.

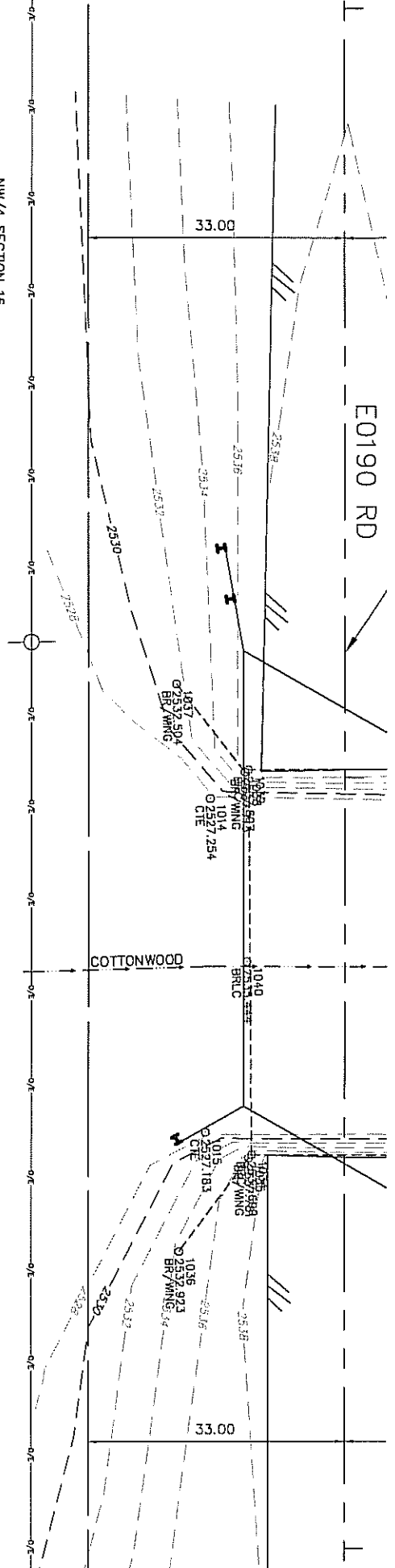
CONTRACTOR SHALL OBEY ALL LAWS AND REGULATIONS WHEN ESTABLISHING OFF-SITE FACILITIES, INCLUDING BORROW PITS, WASTE AREAS, HAUL ROADS, STORAGE SITES, PARKING AREAS, AND SIMILAR AREAS ASSOCIATED WITH THE ACQUISITION, PRODUCTION, AND DELIVERY OF BORROW MATERIAL AND RELATED ROAD BUILDING MATERIALS. CONTRACTOR SHALL PROVIDE ARCHAEOLOGICAL, HISTORICAL, ENDANGERED SPECIES, BOTANY, PRESENT AND HISTORICAL TRIBAL CLEARANCE, OND OR CLEARANCE FROM ALL AGENCIES HAVING JURISDICTION IN THE OFF-SITE FACILITIES AREA TO THE TRIBAL PROJECT OFFICER AND THE BIA CONTRACTING OFFICER'S REPRESENTATIVE FOR EACH SITE SPECIFIC LOCATION.

THE COUNTY WILL REMOVE THE EXISTING BRIDGE AND CONSTRUCT THE EMBANKMENTS. THE COUNTY WILL PROVIDE THE BEAMS AND DELIVER THEM TO THE BRIDGE SITE.

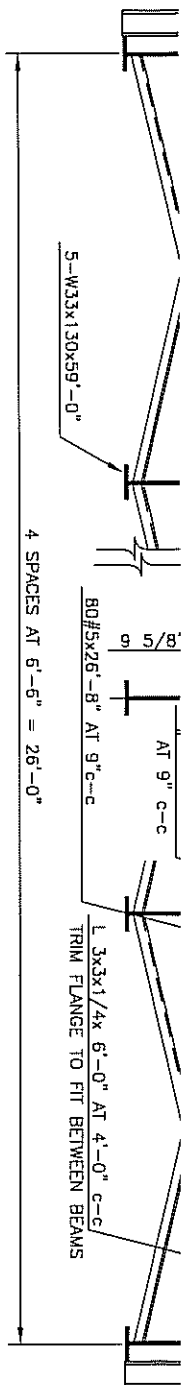
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| 514(A) |
| 514(A) |
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| SP |
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| SP |
| BB0(J) |

| |
|--------|
| BR B |
| ITEM |
| 506(A) |
| 509(A) |
| 511(A) |
| 514(A) |
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NW/4 SECTION 16
T-3-N-R-24-E

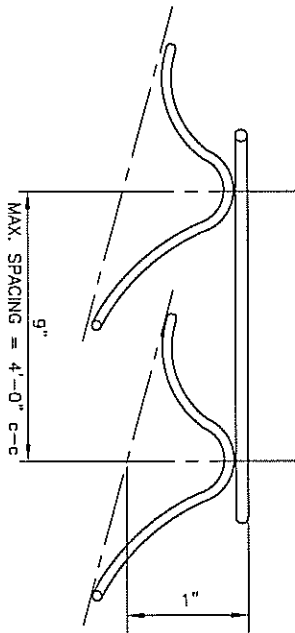


| | | | | |
|-------|--|--|--------|--------|
| 2560 | CENTERLINE SURVEY PROFILE EXISTING GROUND | | 2620 | |
| 2550 | | | 2610 | |
| 2540 | | | 2600 | |
| 2530 | | | 2590 | |
| 2520 | | | 2580 | |
| 2510 | | | 2570 | |
| 2500 | | | 2560 | |
| 2490 | | | 2550 | |
| 07+00 | | | 108+00 | 109+00 |

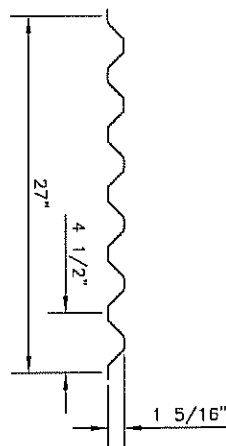


END SECTION

INTERIOR SECTION

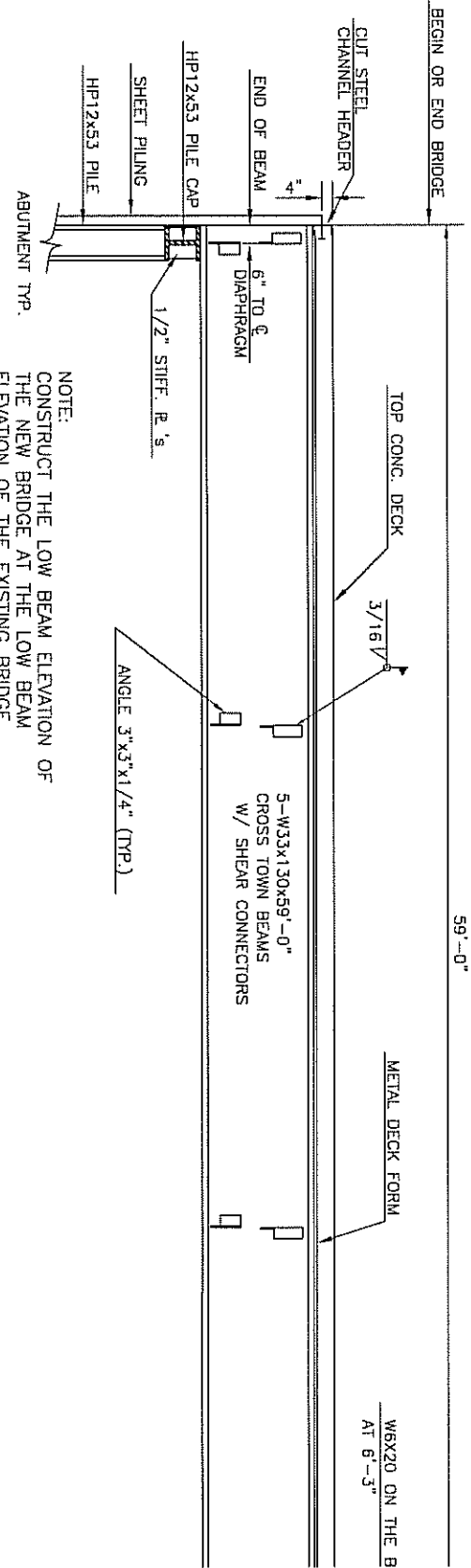


SLAB SPACER DETAIL



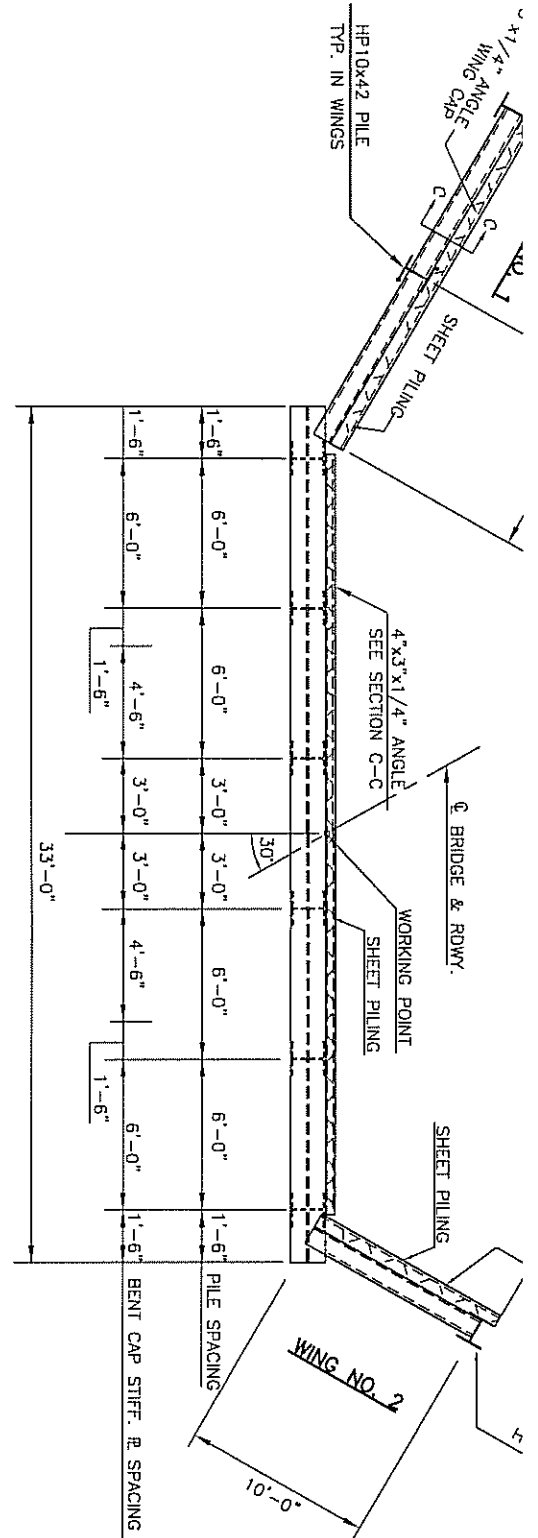
METAL DECK FORM DETAIL

DECK FORM SHALL BE 26 GAGE TOUGH TEMPERED COLD ROLLED STEEL SHEET FORMED TO A CORRUGATED RIB PATTERN OF 4 1/2"x1 5/16". THE STEEL SHALL HAVE AN AVERAGE MINIMUM YIELD STRENGTH OF NOT LESS THAN 80,000 psi. STEEL SHALL CONFORM TO A446, GRADE E WITH ZINC COATING CONFORMING TO ASTM A525, 690 COATING CLASS. DECK FORM SECTIONS SHALL BE PLACED WITH RIBS PARALLEL TO BEAMS AND WITH SIDE LAPS UP. ALLOW 3 INCHES FOR END LAPS AND CENTER ALL END LAPS OVER 3X3 ANGLE 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.

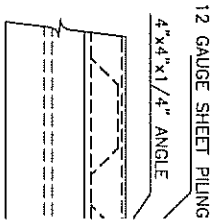
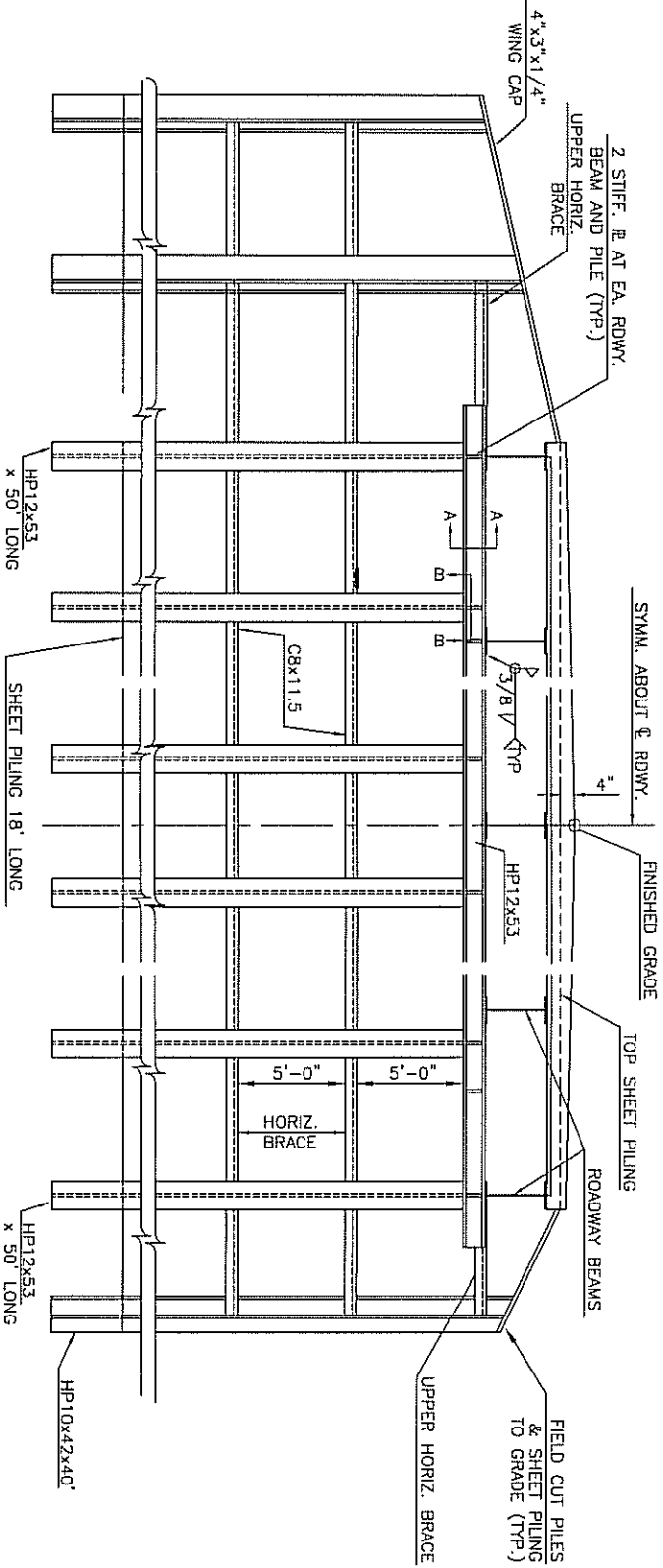


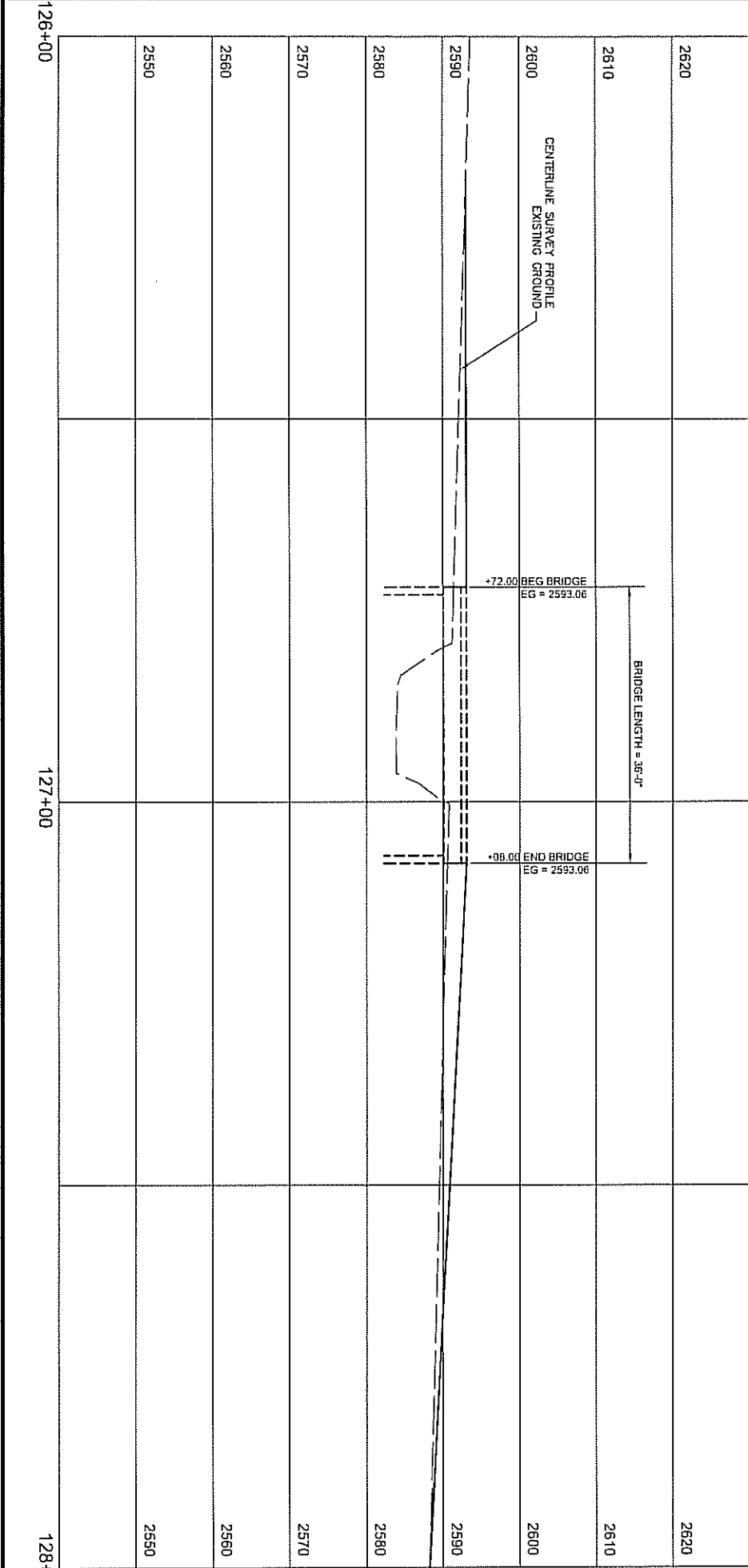
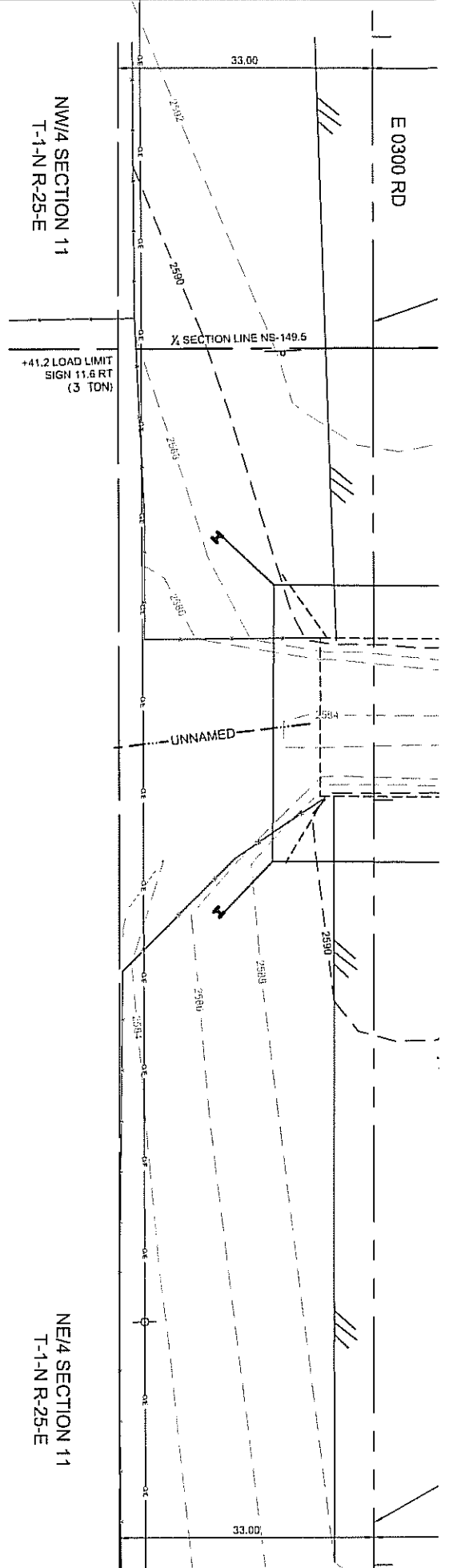
NOTE:
CONSTRUCT THE LOW BEAM ELEVATION OF THE NEW BRIDGE AT THE LOW BEAM ELEVATION OF THE EXISTING BRIDGE.

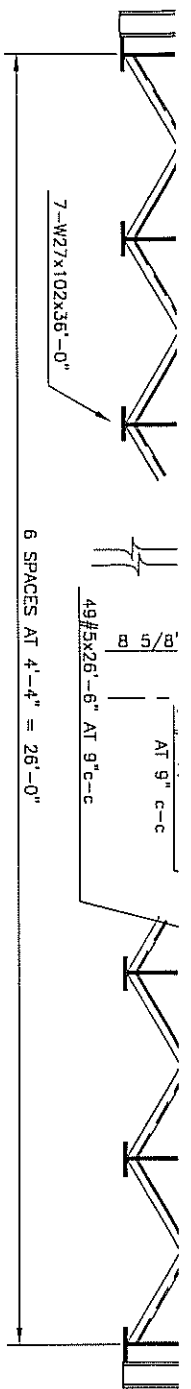
LONGITUDINAL SECTION



NOTE: STEEL PILES SHALL BE DRIVEN TO A MINIMUM BEARING OF 40 TONS BEARING VALUE TO BE DETERMINED IN ACCORDANCE WITH SECTION 514.04 OF THE 1999 EDITION OF THE OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
PILE LENGTHS ARE ESTIMATED QUANTITIES ONLY.

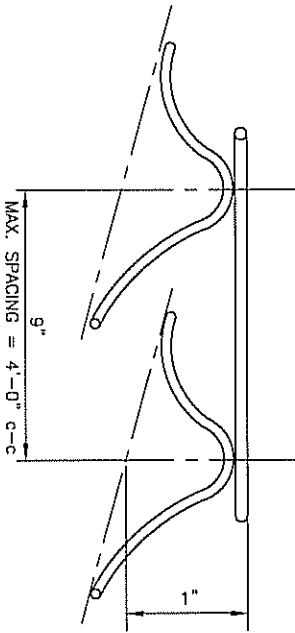




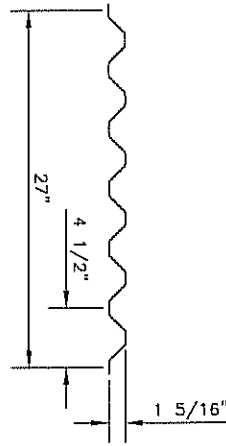


END SECTION

INTERIOR SECTION

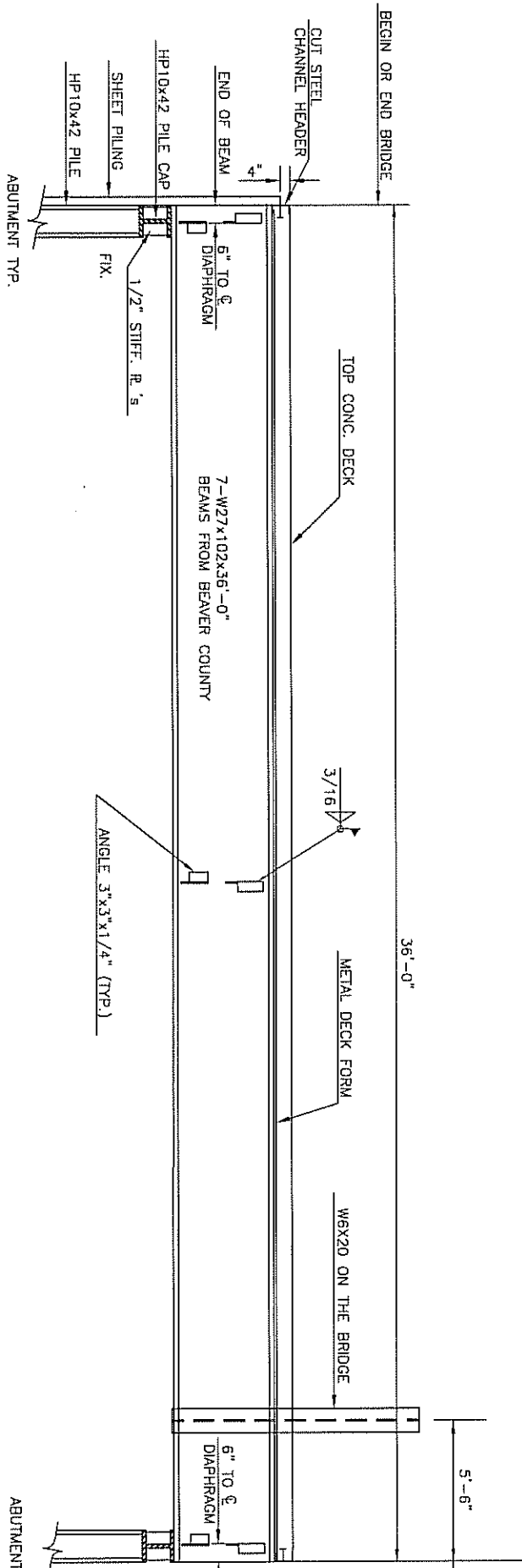
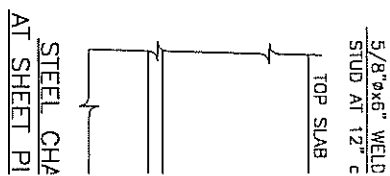


SLAB SPACER DETAIL



METAL DECK FORM DETAIL

DECK FORM SHALL BE 26 GAGE TOUGH TEMPERED COLD ROLLED STEEL SHEET FORMED TO A CORRUGATED RIB PATTERN OF 4 1/2"x1 5/16" THE STEEL SHALL HAVE AN AVERAGE MINIMUM YIELD STRENGTH OF NOT LESS THAN 80,000 PSI. STEEL SHALL CONFORM TO A446, GRADE E WITH ZINC COATING CONFORMING TO ASTM A525, G90 COATING CLASS. DECK FORM SECTIONS SHALL BE PLACED WITH RIBS PERPENDICULAR TO BEAMS AND WITH SIDE LAPS UP. ALLOW 3 INCHES FOR END LAPS AND CENTER ALL END LAPS OVER BEAMS. 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.



LONGITUDINAL SECTION

