

SPECIFICATIONS AND BID DOCUMENTS

For

LINCOLN COUNTY

Bid No. 24-04

BRIDGE 41-54
50' Steel Beam Bridge on
GRS Abutments

August 2023

NOTICE TO BIDDERS

Sealed bids will be received at the Lincoln County Courthouse, 811 Manvel Ave., Suite 5, Chandler, Oklahoma 74834, until 8:45 A.M. on the 18th of September 2023 and after that time to be publicly opened and read aloud for the work listed below. Clearly mark the lower left-hand corner of your bid envelope with the bid number and bid due date/time listed above.

Bid Number 24-04 Bridge 41-54
Construct a 50' Steel Beam Bridge on GRS Abutments

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

The proposal will include a special provision with reference to Contractor's Non-Collusion Affidavit and a 5% bid bond in a certified or cashier's check or surety bond shall accompany the sealed proposal of each bidder. 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.

Examination of plans, specifications, special provisions, and site of work is required

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

Southwest Construction News
www.swcnews.com

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

Bid News Construction Report
www.bidnews.com

Lincoln County Clerk
811 Manvel Ave, Suite 5
Chandler, Oklahoma 74834
(405)258-1264

EST, Inc.
615 N. Hudson, Suite 300
Oklahoma City, Oklahoma 73102
Engineer of Record: Don Russell
(405) 596-8388
donr@estinc.com

A complete set of Plans and Specifications to prospective bidders may be obtained at the above described office of EST, Inc. upon remitting **\$20.00 Non-Refundable Fee** or a PDF copy of the plans can be emailed and used for bidding at no cost. Contact EST, at the above listed information, to inquire about the project.

Rates for liquidated damages for this project will be \$500.00 per calendar day. 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 Lincoln County.

Lincoln County hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises 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 or national origin in consideration for an award.

Lincoln County reserves the right to reject any or all bids. The Board of County Commissioners reserves the right to accept the bid determined to best serve the needs of Lincoln County.

LINCOLN COUNTY, OKLAHOMA

Alicia Wagnon County Clerk

SPECIAL PROVISIONS

SCOPE OF WORK

The scope of this project shall include construction of a 50' long steel beam bridge with a concrete deck on GRS Abutments. The beams will be provided by the County at the site. The County will remove the existing bridge and construct the embankment and approach guardrail. 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 bid price to account for any cut off, lap, or waste.

The contractor shall be responsible for all underground utilities. Call OKIE at 1-800-522-6543 two (2) 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, 2019 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, Lincoln 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, Oklahoma 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.

Lincoln County shall make three (3) payments for each bridge to the Contractor in the following manner: one (1) payment will be made when the abutments are complete, one (1) payment will be made when the superstructure is complete and the final 10% will be paid when the construction is accepted by Lincoln 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.

REQUIREMENTS

The Contractor shall furnish:

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

CONTRACT

This contract and agreement, made and entered into this ____ day of _____, 2023 by and between the Board of County Commissioners, Lincoln County Oklahoma, hereafter called the "Owner" and _____ hereafter called the "Contractor",

WITNESSETH:

That whereas, Owner has caused to be prepared in accordance with law, certain plans, specifications, and other contract documents for the work herein after described and has approved and adopted all of said contract documents, and has caused Solicitation for bids to be given and advertised as required by law, and has received sealed proposals for the furnishing of all labor and materials for

Bid Number 24-04

Construction of a 50' Steel Beam Bridge on GRS Abutments

as outlined and set out in the bid documents and in accordance with the terms and provisions of this contract; and,

WHEREAS, the Contractor, in response to said Solicitations for bids, has submitted to the Owner in the manner and at the time specified, a sealed proposal in accordance with the terms of this contract; and,

WHEREAS, the owner in a like manner provided by law has publicly opened, examined, and canvassed the proposals submitted and has determined and declared the above name Contractor to be the lowest responsible bidder on the above described project, and has duly awarded this contract to said Contractor, for the

sum named in the proposal, to wit: _____

_____ dollars (\$ _____)

NOW THEREFORE, for and in consideration of the mutual agreements and covenants herein contained, the parties to this contract have agreed, and hereby agree as follows:

1. Contractor shall, in a good and first-class workmanlike manner, at his own cost and expense, furnish all labor, materials, tools and equipment required to complete said work in strict accordance with this Contract and the following Contract documents:

All documents are as fully a part of this Contract as if hereto attached or herein fully set out, forms the entire Contract between the parties hereto.

2. Owner shall make a partial payment to the Contractor when the abutments are complete, when the superstructure is complete, and shall make the final payment upon completion, inspection, and acceptance of the project.

3. Contractor shall be deemed an independent contractor at all times during the progress of construction as said improvements notwithstanding the supervision and inspection by the Owner. The Contractor agrees to hold the Owner harmless on any liability that may arise and shall provide a certificate of insurance certifying the same.

4. On completion of work, but prior to the acceptance thereof, the Owner, or his representative, will determine by examination that said work has been completely and fully performed in accordance with Contract Documents. The Contractor shall fully 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 shall be approved and paid. Provided, however, that such payments and final payments shall not be deemed or construed as proof that said improvement was constructed in strict compliance with the Contract and the specifications therefore, and the Owner hereby reserves the right to recover from Contractor any damage it may sustain for noncompliance herewith.

5. The Owner requires the Contractor to carry insurance against damage from fire and the elements during the process of construction to the extent of protection of said Owner equity in said project until accepted by said agency.

6. All work shall be completed 90 calendar days from notice to proceed date. Contractor and Owner, recognize that time is of the essence of this Agreement and that Owner will suffer financial loss if the Work is not completed within the times specified above, plus any extensions thereof allowed in accordance with Section 108.07 of the Standard Specifications. The parties also recognize the delays, expense, and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty), Contractor shall pay Owner \$500.00 for each day that expires after the time specified for completion.

7. Contractor shall exercise all reasonable precautionary measures during the progress of construction and repairs and shall be responsible for erecting adequate and visible barricades and detour signs so as to warn and protect persons and property from injury or damage, shall reimburse the Owner and hold Owner harmless from any and all claims or judgments against if by reason of Contractor's failure or neglect to comply with this provision, whether such be the result of a failure or neglect of Contractor, its agents, servants, employees, subcontractors or others.

In witness thereof, the parties hereto have caused this instrument to be executed, the day and year first above written.

CONTRACTOR

Title

Address

Subscribed and sworn before me this _____ day of _____ 2023.

Notary

My Commission expires

Commission Number

ATTEST:

BOARD OF COUNTY COMMISSIONERS,
LINCOLN COUNTY

County Clerk

Chairman

Member

Member

Approved as to legality and form:

District Attorney

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That We _____, as Principal, and _____, as Surety, are held and firmly bound unto the Lincoln County of the State of Oklahoma in the full and just sum of _____ dollars (\$_____), such sum being equal to 100% of the contract price for the payment of which, well and truly to be made, we, and each of us, bind ourselves, our heirs, executors and assigns, themselves, and its successors and assigns, jointly and severally, firmly by these presents.

Dated this _____ day of _____, 2023. The conditions of this obligation are such, that whereas, said Principal is the lowest and best bidder for the making of the following work and improvements:

Bid Number 24-04
Construction of a 50' Steel Beam Bridge on GRS Abutments

entered into a certain written contract with the Lincoln County on the _____ day of _____, 2023, for the construction of said work and improvement, all in compliance with the plans and specifications therefore, made a part of said contract and on file in the Office of the Lincoln County Clerk, and said contract is hereby made a part and parcel of this bond as if literally written herein.

NOW, THEREFORE, if the said _____ Principal, shall fully and faithfully execute the work and perform said contract according to its terms, conditions, and covenant, and in exact accordance with the bid of said Principal, and according to certain plans and specifications heretofore made, adopted, and placed on file in the Office of the Lincoln County Clerk, and in accordance with the prevailing Wage Scale promulgated by the Commissioner of Labor, pursuant to the provisions of 40 O.S., 1965 Supp. 196.1 - 196.12, as set out in the specification herein, and shall promptly pay or cause to be paid, all labor, material and/or repairs and all bids for labor performed on said work, whether by subcontract or otherwise, and shall protect and save harmless the said Lincoln County and all interested property owners against all claims, demands, causes of action, losses or damage, and expense to life or property suffered or sustained by any

person, firm or corporation by reason of negligence of the Contractor or his or its agents, servants, or employees in the construction of said work, or by or in consequence of any improper execution of the work or act of omission or use of inferior materials by said Contractor, or his or its agents, servants, or employees, and shall protect and save Lincoln County harmless from all suits and claims of infringement or alleged infringement of patent rights or processes, then this obligation shall be void; otherwise, this obligation shall remain in full force and effect.

It is further expressly agreed and understood 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 of this bond.

IN WITNESS WHEREOF, the said Principal has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its duly authorized officers, and the said Surety has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its attorney-in-fact, duly authorized so to do, the day and year first above written.

By _____

Principal

ATTEST:

Witness-Secretary

By _____

Surety

ATTEST:

Secretary

MAINTENANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That We, _____, as Principal,
and _____, as Surety, are held and
firmly bound unto Lincoln County of the State of Oklahoma, in the full and just sum of

_____dollars(\$ _____),

such sum being equal to the contract price for a period of one (1) year for the payment of
which, well and truly to be made, we, and each of us, bind ourselves, our heirs, executors,
and assigns, themselves, and its successors and assigns, joint and severally, firmly by
these presents.

Dated this _____ day of _____, 2023. The
conditions of this obligation are such, that whereas, said Principal has by a certain contract
between _____ and
Lincoln County, dated this _____ day of _____, 2023, agreed to
road construction on:

Bid Number 24-04
Construction of a 50' Steel Beam Bridge on GRS Abutments

all in compliance with the plans and specifications therefore, made a part of said contract
and on file in the Office of the Lincoln County Clerk; and to maintain the said improvement
in the amounts set forth above against any failure due to workmanship or material for a
period of one (1) year from the date of acceptance by Lincoln County.

NOW, **THEREFORE**, if said Principal shall pay or cause to be paid to Lincoln
County, all damage, loss, and expense which may result by reason of defective materials
and / or damage, loss, and expense which may result by reason of defective materials and
/ or workmanship in connection with said work occurring within a period of one (1) year
from and after acceptance of said project by Lincoln County, then this obligation shall be
null and void, otherwise to be and remain in full force and effect.

It is further agreed that if said Principal of Surety herein shall fail to maintain said
improvements against any failure due to defective workmanship and / or material from a
period of one (1) year and at any time repairs shall be necessary that the cost of making
said repairs shall be determined by Lincoln County, or some person or persons designated
by them to ascertain the same and if, upon thirty (30) days notice, the said amount

ascertained shall not be paid by the Principal of Surety herein, or if the necessary repairs are not made, that said amount shall become due upon the expiration of thirty (30) days and suit may be maintained to recover the amount so determined in any Court of competent jurisdiction. And that the amount so determined shall be conclusive upon the parties as to the amount due on this bond for the repair or repairs included therein, and that the cost of all repairs shall be so determined from time to time during the life of this bond as the condition of the improvements may require.

It is further expressly agreed and understood 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 of this bond.

IN WITNESS WHEREOF, the said Principal has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its duly authorized officers; and the said Surety has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its attorney-in-fact, duly authorized so to do, the day and year first above written.

Principal

ATTEST:

Witness-Secretary

BY _____

Surety

ATTEST:

Secretary

BY _____

STATUTORY BOND

KNOW ALL MEN BY THESE PRESENTS:

That We, _____ as Principal, and _____, as Surety, are held and firmly bound Lincoln County in the sum of _____ Dollars(\$ _____), such sum being equal to 100% of the contract price for the payment of which, well and truly to be made, we, and each of us, bind ourselves, our heirs, executors and assigns, themselves, and its successors and assigns, jointly and severally, firmly by these presents.

Dated this _____ day of _____, 2023. The conditions of this obligation are such, that whereas, the above bonded Principal _____ is the lowest and best bidder for the making of the following work and improvements:

Bid Number 24-04
Construction of a 50' Steel Beam Bridge on GRS Abutments

and has entered into a certain written contract with Lincoln County on the _____ day of _____ 2023, for the erection and construction of said work and improvement, in exact accordance with the bid of said Principal, and according to certain plans and specifications heretofore made, adopted, and placed on file in the Office of the Lincoln County Clerk.

NOW, THEREFORE, if said Principal shall fail or neglect to pay all indebtedness incurred by said Principal or subcontractor of said Principal who perform work in the performance of such, for labor and materials furnished by any supplier and consumed in the performance of said contract, and such repairs to and rental of machinery and equipment as may be furnished by a subcontractor to the person or persons contracting with Lincoln County and in accordance with the Prevailing Wage Scale promulgated by the Commissioner of Labor and on file in the office of the Secretary of

State pursuant to the provisions of 40 O.S., 1965 Supp. 196.1-196.12, 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 amount so due and unpaid.

It is further expressly agreed and understood by the parties hereto that no changes or alterations on 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, for the obligations of this bond.

IN WITNESS WHEREOF, the said Principal has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its duly authorized officers, and the said Surety has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its attorney-in- fact, duly authorized so to do, the day and year first above written.

ATTEST:

By _____
Principal

Witness-Secretary

ATTEST:

By _____
Surety

Secretary

BID PROPOSAL FORM
BID NUMBER 24-04

OWNER: **LINCOLN COUNTY COMMISSIONERS**
811 Manvel Ave.
Suite 5
Chandler, Oklahoma 74834

PROJECT: **Bid Number 24-04**
 Construction of a 50' Steel Beam Bridge GRS Abutments

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 any 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
BRIDGE 41-54					
202(A)	2210 UNCLASSIFIED EXCAVATION	CY	1290.00	_____	_____
303(A)	1200 AGGREGATE BASE TYPE A	CY	700.00	_____	_____
326(A)	1200 GEOTEXTILE REINFORCEMENT	SY	3000.00	_____	_____
501(B)	1300 SUBSTR EXCAVATION COMMON	CY	126.00	_____	_____
506(A)	7230 STRUCTURAL STEEL	LB	10305.00	_____	_____
509(A)	0210 CLASS AA CONCRETE	CY	43.90	_____	_____
511(A)	2210 REINFORCING STEEL	LB	6735.00	_____	_____
542	9102 (PL) INSTALLATION OF BRIDGE ITEMS SF		1960.00	_____	_____
601(B)	1230 TYPE 1-A PLAIN RIPRAP	TON	200.00	_____	_____
601(I)	1700 FILTER FABRIC (RIPRAP)	SY	80.00	_____	_____
SP	24GA TENSILEFORM	SF	1620.00	_____	_____
SP	BEAM GUARDRAIL ON THE BRIDGE	LF	125.00	_____	_____
SP	PAINT BEAMS	LS	1.00	_____	_____
SP	CONSTRUCTION TESTING	LS	1.00	_____	_____
SUB-TOTAL BRIDGE 41-54				_____	_____

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 Lincoln County reserves the right to reject any or all bids.

Respectfully submitted,

NAME OF CONTRACTOR

(Address)

(Telephone No.)

(Signature)

(Title)

STATE OF OKLAHOMA)
COUNTY OF) SS.

Subscribed and sworn to before me, the undersigned, a Notary Public in and for the State of Oklahoma this _____ day of _____, 2023.

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 Lincoln 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 _____, 2023.

BUSINESS RELATIONSHIPS AFFIDAVIT

STATE OF _____)
COUNTY OF _____) SS

_____, 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 nature of any partnership, joint venture, or other business relationship presently in effect or which existed within one (1) year prior to the date of this statement with the architect, engineer, or other party to the project is as follows:

Affiant further states that any such business relationship presently in effect or which existed within one (1) year prior to the date of this statement between any officer or director of the bidding company and any officer or director of the architectural or engineering firm or other party to the project is as follows:

Affiant further states that the names of all persons having any such business relationships and the positions they hold with their respective companies or firms are as follows:

(If none of the business relationships hereinafter mentioned exist, affiant should so state.)

Signature of Company Official

Subscribed and sworn to before me this _____ day of _____, 2023.

Notary Public

— —

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 Lincoln 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 Lincoln County. The Contractor may be declared by Lincoln 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 _____, 2023.

Notary Public

Commission Expires: _____ Commission Number: _____

STATUS VERIFICATION SYSTEM AFFIDAVIT

STATE OF OKLAHOMA)

) SS:

COUNTY OF _____)

I, _____, of lawful age, and having been first duly sworn, on oath states:

1. That I am the agent authorized by the Contractor to submit the attached contract to the State of Oklahoma. I am fully aware of the facts and circumstances surrounding the making of the contract to which this statement is attached and have been personally and directly involved in the procurement of this contract.

2. That the Contractor has registered and fully participates in the Status Verification System, as required by Title 25 O.S. § 1313(B)(1), to verify the work eligibility status of all new employees of the Contractor.

FURTHER AFFIANT SAITH NOT.

AFFIANT

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

Notary Public

Commission Expires: _____ Commission Number: _____

LINCOLN COUNTY

PLAN OF PROPOSED LINCOLN COUNTY BRIDGE

BID NO. COM2-XXXX

BRIDGE '54'

LOCATION NO. 41E0810N3400004

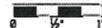
LATITUDE 35°50'26.78", LONGITUDE 96°56'24.02"

NBI NO. 33214 (EXISTING NBI 04318)

DESIGN DATA

AADT 2022 = Δ50
 AADT 2042 = Δ100
 V = 45 MPH

SCALES

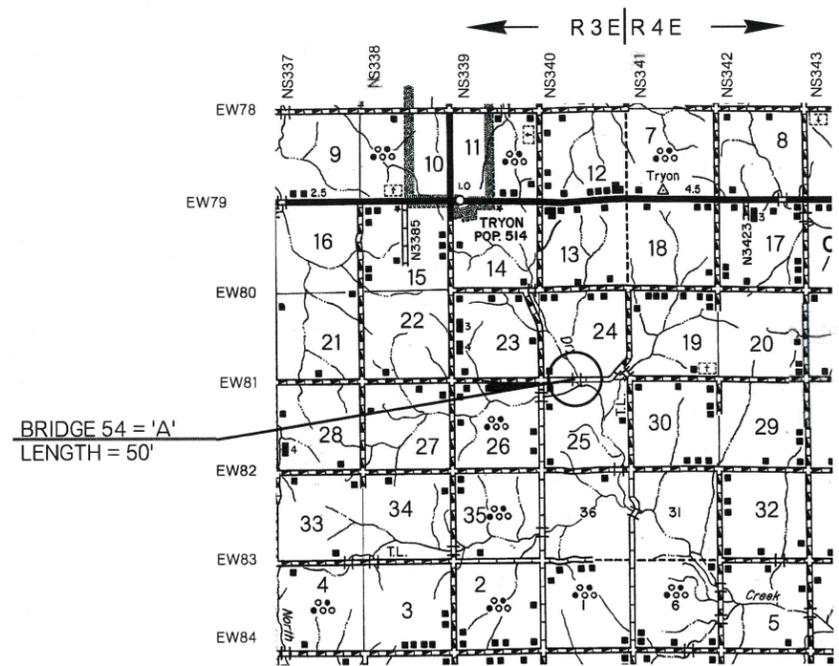
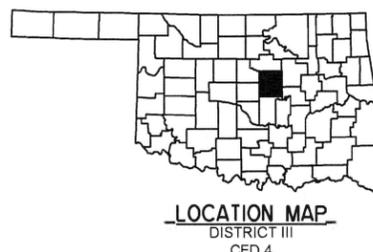


PLAN 1" = 50'
 PROFILE HORIZONTAL 1" = 50'
 PROFILE VERTICAL 1" = 5'
 LAYOUT MAP 1" = 1 MI.



CONVENTIONAL SIGNS

- PROPOSED ROAD
- RAILROADS
- TOWNSHIP AND RANGE
- SECTION LINES
- QUARTER SECTION LINES
- FENCES
- GROUND LINE
- EXISTING ROADS
- BASE LINE
- GRADE LINES
- TELEPHONE AND TELEGRAPH
- POWER LINES
- BUILDINGS
- OIL WELL
- DRAINAGE STRUCTURES - IN PLACE
- DRAINAGE STRUCTURES - NEW
- RIGHT-OF-WAY LINES - EXISTING
- RIGHT-OF-WAY LINES - NEW
- CONTROLLED ACCESS
- RIGHT-OF-WAY FENCE



BRIDGE 54 = 'A'
 LENGTH = 50'

PROJECT LENGTH BASED ON CRL

ROADWAY LENGTH	316.75 FT.	0.0600 MI.
BRIDGE LENGTH	50.00 FT.	0.0095 MI.
PROJECT LENGTH	366.75 FT.	0.0695 MI.
EQUATIONS:	NONE	
EXCEPTIONS:	NONE	

SHEET NO.	INDEX OF SHEETS SHEET DESCRIPTION
01	TITLE SHEET
02	TYPICAL SECTION
03	SUMMARY OF PAY QUANTITIES
04	GENERAL PLAN AND ELEVATION - BRIDGE 'A'
05	BRIDGE 'A' ABUTMENT DETAILS
06	BRIDGE 'A' SUPERSTRUCTURE DETAILS
07	PLAN AND PROFILE
<u>FHWA GRS-IBS ABUTMENTS DESIGN DRAWINGS 2011</u>	
01	COVER SHEET
02	DESIGN DIMENSION & QUANTITIES
03	FACING BLOCK SCHEDULE
04	DETAILS

REQUIRED STANDARD DRAWINGS

ROADWAY (2019)	TRAFFIC (2009)
SSS-2-0	TCS1-1-01
TSC2-4-0	TCS2-1-00
TSD-3-0	TCS3-1-01
	TCS4-1-01
	TCS5-1-00
	TCS6-1-02
	TCS7-1-02
	TCS8-1-00
	TCS9-1-01

APPROVED THIS 1 DAY OF Nov, 2022
 BOARD OF COUNTY COMMISSIONERS
 LINCOLN COUNTY, OKLAHOMA



CHAIRMAN: [Signature]
 MEMBER: Mark Miller
 MEMBER: Carl L. Munoz
 ATTEST: Alicia Wayne
 COUNTY CLERK



PREPARED BY: EST, INC. 615 N. HUDSON, STE. 300
 C.A. NO. 3639 OKLAHOMA CITY, OK 73102
 (405) 815-3600

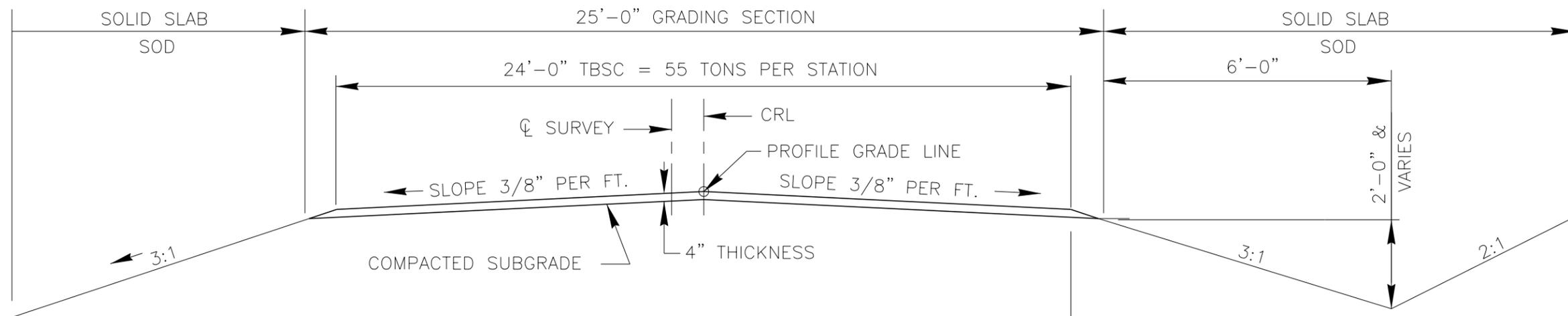
Donald F. Russell
 DONALD F. RUSSELL, OKLA. REG. NO. 11271 DATE

EST. INC. CERTIFICATE OF AUTHORIZATION NO. 3639 (PE/LS)
 EST. INC. CERTIFICATE OF AUTHORIZATION EXPIRES 6/30/24

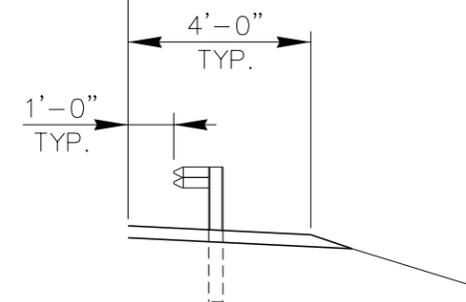
RECOMMENDED FOR APPROVAL:

DATE _____ REGIONAL HIGHWAY ENGINEER

EST PROJECT NO. 22-01675 LINCOLN COUNTY COMMISSIONER MARION MILLER



TYPICAL SECTION
BY COUNTY FORCES



GUARDRAIL WIDENING
BY COUNTY FORCES
(BOLT RAIL DIRECTLY TO POST -DO NOT WELD)

GENERAL NOTES-BRIDGE

COMPLY WITH THE REQUIREMENTS OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION 2019 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

EXISTING ROAD WILL BE CLOSED TO THROUGH TRAFFIC BY THE COUNTY.

LINCOLN COUNTY SHALL BE RESPONSIBLE FOR ACQUIRING RIGHT-OF-WAY AND RELOCATION OF UTILITY LINES AND FENCES AS NECESSARY PRIOR TO CONSTRUCTION.

IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS PRIOR TO BEGINNING EXCAVATION. OKLAHOMA ONE-CALL SYSTEM, INC. "CALL OKIE" 1-800-522-6543 OR 811.

THE COUNTY WILL PROVIDE THE BRIDGE BEAMS AND DELIVER THEM TO THE BRIDGE SITE.

COUNTY WILL PERFORM GRADE, DRAIN, AND SURFACE AT BRIDGE.

COUNTY WILL INSTALL APPROACH GUARDRAIL.

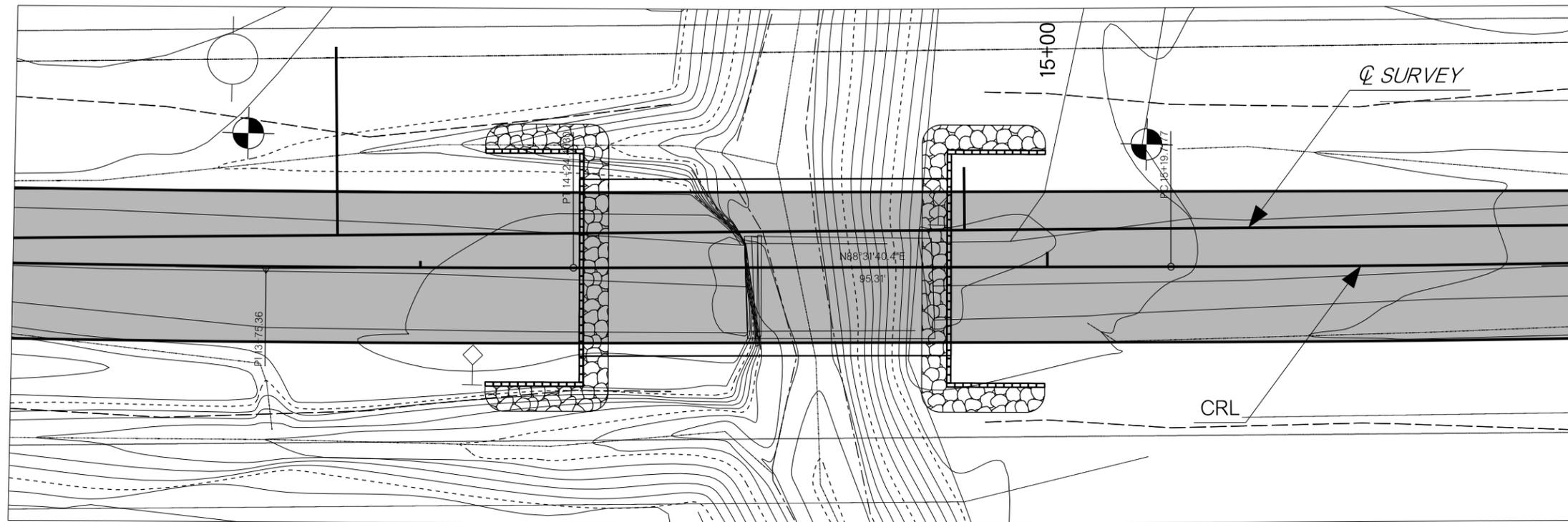
PAY QUANTITY NOTES

- (R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 0.20 ACRES.
- (R-20) ESTIMATED AT 120 LBS. PER CU. FT.
- (1) TO BE PAID AT PLAN QUANTITY. PLAN QUANTITY DOES NOT INCLUDE CUT OFF, LAP, OR WASTE. THE CONTRACTOR SHALL ADJUST THE BID PRICE TO ACCOUNT FOR ANY CUT OFF, LAP, OR WASTE.
- (2) PAYMENT TO THE CONTRACTOR WILL BE BASE ON PLAN QUANTITIES ONLY.
- (3) INCLUDE ALL COST OF EXCAVATION FOR REINFORCED SOIL FOOTING (RSF) INCLUDING ALL LABOR, MATERIAL, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN THE CONTRACT UNIT PRICE OF "SUBSTRUCTURE EXCAVATION COMMON".
- (4) INCLUDE ALL COSTS ASSOCIATED WITH PROVIDING AND INSTALLING RSF AND GRS BACKFILL MATERIAL INCLUDING ALL LABOR, MATERIAL, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN THE CONTRACT UNIT PRICE OF "AGGREGATE BASE TYPE A".
- (5) UNIAXIAL OR BIAXIAL GEOSYNTHETIC MAY BE USED. IF UNIAXIAL REINFORCEMENT IS USED PLACE SUCH THAT STRONGEST DIRECTION IS PERPENDICULAR TO THE WALL FACING MATERIAL. INCLUDE ALL COST ASSOCIATED WITH PROVIDING AND INSTALLING GEOSYNTHETIC REINFORCEMENT INCLUDING ALL LABOR, MATERIAL, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN THE CONTRACT UNIT PRICE OF "GEOTEXTILE REINFORCEMENT".
- (6) PROVIDE FILTER FABRIC IN ACCORDANCE WITH AASHTO M288 THAT MEETS THE REQUIREMENTS FOR BOTH SURFACE DRAINAGE AND SURFACE CONTROL WITH 15% TO 50% OF IN-SITU SOIL PASSING THE NO. 200 SIEVE, CLASS 1 OR 2.
- (7) INCLUDE ALL COSTS ASSOCIATED WITH PROVIDING AND INSTALLING THE ABUTMENT AND WING WALL FACING MATERIAL, SOLID CONCRETE MASONRY UNITS (CMU) AND POLYSTYRENE BOARD INCLUDING ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN THE CONTRACT UNIT PRICE OF "INSTALLATION OF BRIDGE"; PAID FOR BY THE SQUARE FOOT. ABUTMENT AND WING WALL FACING MATERIAL OPTIONS INCLUDE, BUT ARE NOT LIMITED TO: SEGMENTAL RETAINING WALL (SRW) UNITS, CMU, PRECAST CONCRETE BLOCKS, STEEL PILING OR ANY CONTRACTOR PROPOSED, PROPRIETARY PRODUCT MEETING THE REQUIREMENTS AND SPECIFICATIONS INCLUDED IN THE PLANS OR REQUIRED FOR USE IN THIS ENVIRONMENT. SUBMIT THE PROPOSED WALL FACING MATERIALS OR PRODUCTS TO ODOT BRIDGE DIVISION FOR FINAL APPROVAL, ALLOWING A MINIMUM OF FOUR (4) WEEKS FOR REVIEW. FOR THE PURPOSE OF ILLUSTRATING THE ABUTMENTS IN THE PLANS, PRECAST CONCRETE BLOCKS WITH DIMENSIONS 8" X 8" X 16" ARE SHOWN, THE ACTUAL SIZE OF THE WALL FACING MATERIAL UNITS WILL VARY BASED ON THE MATERIAL OR PRODUCT SELECTED BY THE CONTRACTOR. THE PLAN DETAILS ARE ONLY FOR ILLUSTRATION AND NOT INTENDED TO IMPLY A PRODUCT REQUIREMENT. SEE THE NOTES REGARDING "GRS ABUTMENT MATERIALS" FOR FURTHER INFORMATION.
- (8) INCLUDES REMOVAL OF THE EXISTING BRIDGE IN ITS ENTIRETY.
 - a. ALL STEEL TO BE SALVAGED AND STORED ON SITE TO BY REMOVED BY COUNTY FORCES.
 - b. EXISTING CONCRETE / MASONRY ABUTMENTS MAY BE BROKEN UP AND USED AS CHANNEL ARMOR PLATING .
 - c. ALL OTHER EXISTING ITEMS TO BE DISPOSED OF OFF SITE IN COMPLIANCE WITH ALL A PPLICABLE REGULATIONS.
- (9) GUARDRAIL TO BE BOLTED (NOT WELDED) TO POSTS.
- (10) INCLUDES SIX (6) GUARDRAIL DELINEATORS.
- (11) INCLUDES FURNISHING RAIL, PAINTED POSTS, HARDWARE, AND FOUR (4) DELINEATORS.
- (12) INCLUDES FURNISHING ANCHOR UNIT (TYPE II), HARDWARE, AND DELINEATOR.
- (13) INCLUDES COST TO FORM / CORE A 2-INCH DIA. IN EACH BAY OF THE DECK AT THE HIGH END OF THE BRIDGE.
- (14) IF SRW BLOCKS ARE USEED REMOVE THE PROTRUDING "TOUNGUE" ON THE TOP OF THE BLOCK, ON THE TOP ROW, DIRECTLY UNDER THE BEAM LINES.

PAY QUANTITIES			
BR 54 - GRS Abutment 50' I-Beam Span w/ Concrete Deck			
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
202(A)	2210 UNCLASSIFIED EXCAVATION	(2) CY	1290.00
303(A)	1200 AGGREGATE BASE TYPE A	(2) CY	700.00
326(A)	1200 GEOTEXTILE REINFORCEMENT	(1)(5) SY	3000.00
501(B)	1300 SUBSTRUCTURE EXCAVATION COMMON	(2)(3) CY	126.00
506(A)	7230 STRUCTURAL STEEL A36	LB	10305.00
509(A)	1326 CLASS AA CONC.	(2)(13) CY	43.90
511(A)	1332 REINFORCING STEEL	(2) LB	6735.00
542	9102 (PL)INSTALLATION OF BRIDGE ITEMS	(2)(7)(14) SF	1960.00
601(B)	1230 TYPE 1-A PLAIN RIPRAP (24")	TON	200.00
601(I)	1700 FILTER FABRIC (RIPRAP)	(6) SY	80.00
619(B)	1397 REMOVAL OF EXISTING BRIDGE	(8) LSUM	1.00
SP	6700 24 GA. TENSILE FORM	SF	1620.00
SP	BEAM GUARD RAIL ON THE BRIDGE	(9)(10) LF	125.00
SP	PAINT BEAMS	LSUM	1.00
SP	CONSTRUCTION TESTING	LSUM	1.00

PAY QUANTITIES			
FURNISHED BY CONTRACTOR - INSTALLED BY COUNTY FORCES			
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
623(A)	GUARDRAIL W-BEAM SINGLE	(11) LF	200.00
623(F)	GUARDRAIL W-BEAM END ANCHOR (TYPE B)	(12) EA	4.00

PAY QUANTITIES			
ROADWAY BY COUNTY FORCES			
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
201(A)	0102 CLEARING AND GRUBBING	LSUM	1.00
202(H)	0185 EARTHWORK	LSUM	1.00
221(C)	2801 TEMPORARY SILT FENCE	LF	1000.00
221(F)	0100 TEMPORARY SILT DIKE	LF	300.00
230(A)	2806 SOLID SLAB SODDING	SY	250.00
233(A)	2817 VEGETATIVE MULCHING	AC	0.40
402(E)	0225 TRAFFIC BOUND SURFACE COURSE TYPE E	TON	200.00
SP	GUARDRAIL W-BEAM SINGLE	LF	200.00
SP	GUARD RAIL ANCHOR UNIT (TYPE II)	EA	4.00
SP	PROVIDE STEEL BEAMS ON SITE	LSUM	1.00



PLAN

DESIGN DATA

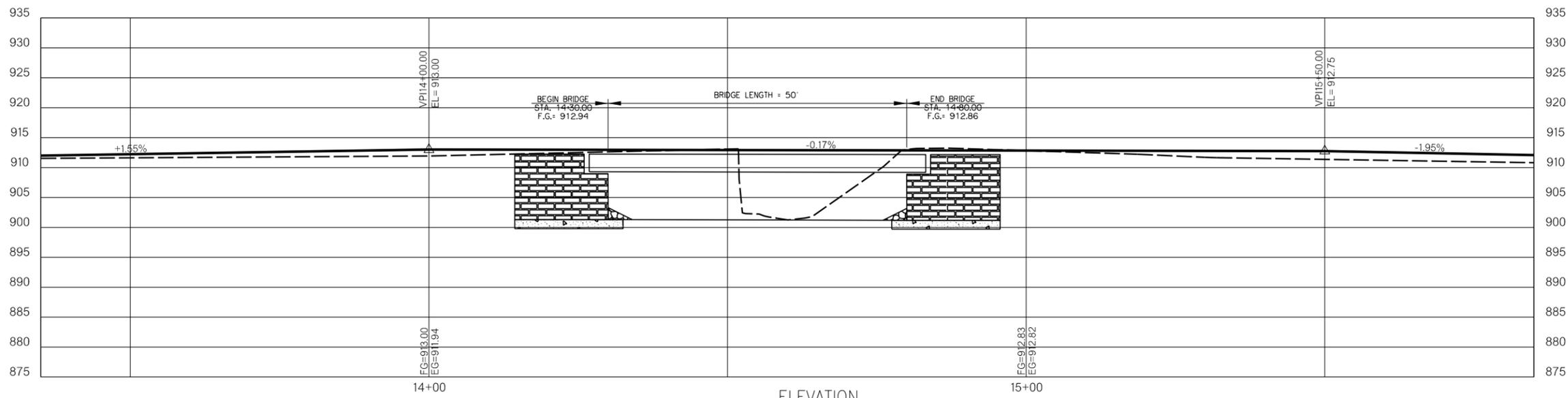
CLASS AA CONCRETE $f'_c = 4$ KSI
 REINFORCING STEEL $f_y = 60$ KSI
 STRUCTURAL STEEL (GRADE 36) $F_y = 36$ KSI
 INVENTORY RATING: HS 57.7
 OPERATING RATING: HS 96.1

LOADING = HS 20-44
 DESIGN: 16th EDITION AASHTO AND
 CURRENT AWS SPECIFICATIONS

HYDRAULIC DATA - BRIDGE "A"

DRAINAGE AREA = 3.02 SQ. MI.
 CONTROLLED AREA = .70 SQ. MI.
 EFFECTIVE AREA = 2.32 SQ. MI.

$Q_2 = 502$ CFS	$Q_{25} = 1880$ CFS
$V_2 = 2.55$ FPS	$V_{25} = 4.34$ FPS
$CHW_2 = 907.79$ FT	$CHW_{25} = 911.22$ FT
$Q_5 = 938$ CFS	$Q_{50} = 2490$ CFS
$V_5 = 3.48$ FPS	$V_{50} = 4.14$ FPS
$CHW_5 = 909.29$ FT	$CHW_{50} = 911.95$ FT
$Q_{10} = 1310$ CFS	$Q_{100} = 2920$ CFS
$V_{10} = 4.16$ FPS	$V_{100} = 4.38$ FPS
$CHW_{10} = 910.19$ FT	$CHW_{100} = 912.19$ FT
$Q_{OT} = 1450$ CFS	$Q_{500} = 4630$ CFS
$V_{OT} = 4.29$ FPS	$V_{500} = 4.93$ FPS
$CHW_{OT} = 910.51$ FT	$CHW_{500} = 912.81$ FT



ELEVATION

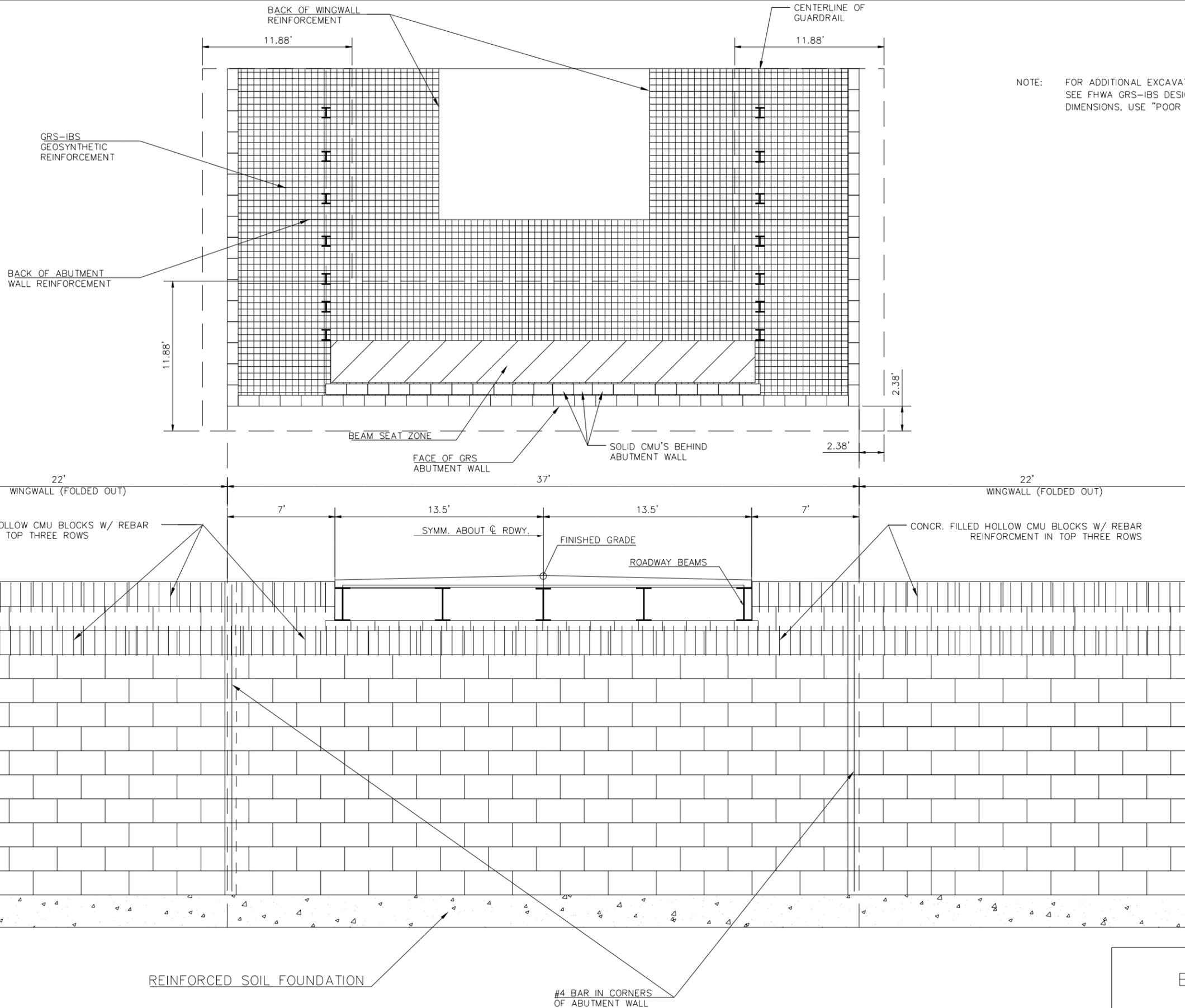
LINCOLN COUNTY
 BRIDGE 41-54
 SUPERSTRUCTURE

A36 STEEL

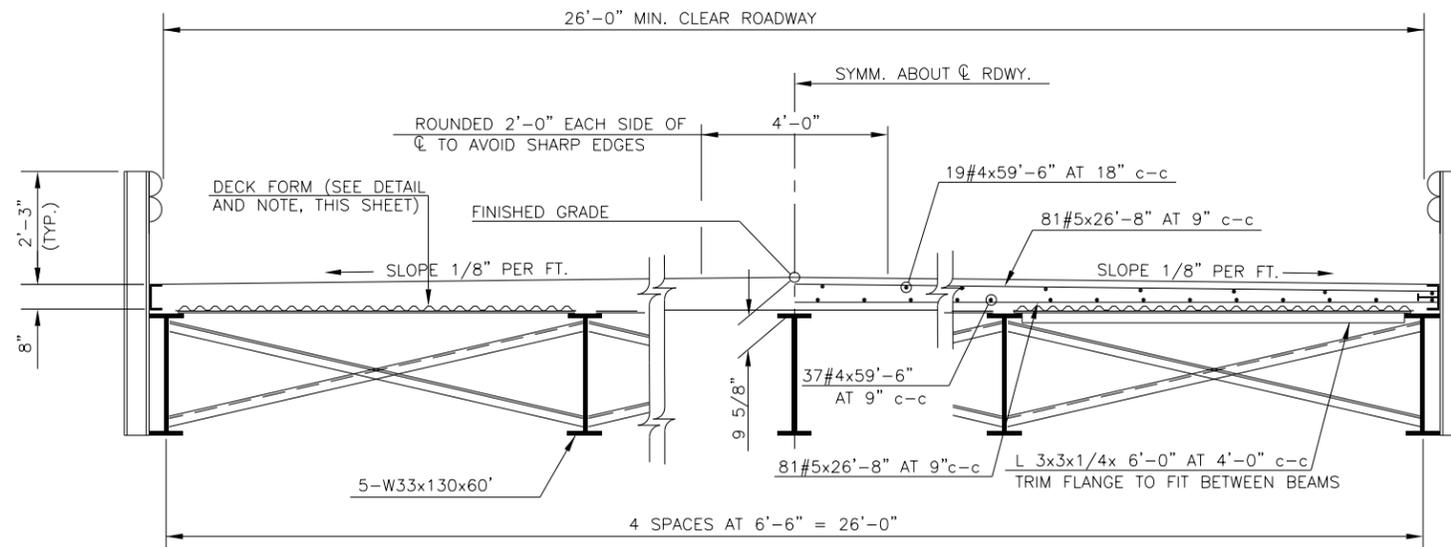
MEMBER	NO.	LENGTH (FT.)	TOTAL WEIGHT (LBS)
8"X1/4" PLATE	2	59'-10"	817
C10 x 15.3	2	27'	826
3/4"X5" PLATE	20	2'-5 3/4"	635
L3 x 3 x 1/4		440.00	3038
W6 x 20	44	5'-8"	4,989
TOTAL			10305
MATERIAL		QUANTITY	
Guard Rail on Bridge		125 L.F.	
24 Ga. Tensile Form		1620 S.F.	
Concrete		43.9	
Reinf. Steel	#4 Bars	3330 L.F.	2230 LBS.
	#5 Bars	4270 L.F.	4460 LBS.
5/8" Dia. x 4" Welded Studs		176 Studs	

BRIDGE 'A'
 CONST. 50'-0" STEEL BEAM BRIDGE
 W/ GRS-IBS ABUTMENTS W/26'-0" CL. RDY

LINCOLN COUNTY
 GENERAL PLAN AND ELEVATION
 BRIDGE 'A'
 SINGLE SPAN (50') STEEL BEAM BRIDGE
 26'-0" CLEAR ROADWAY

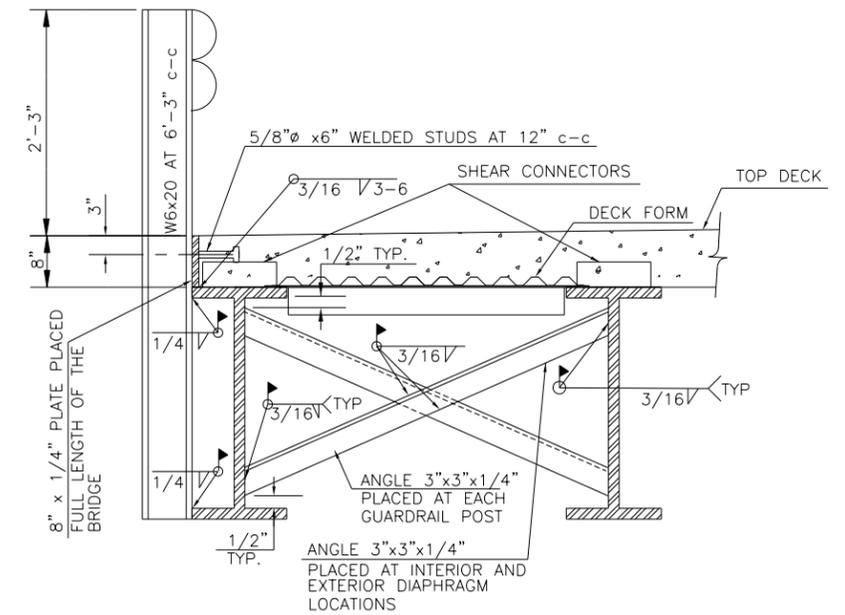


NOTE: FOR ADDITIONAL EXCAVATION DETAILS AND DIMENSIONS, SEE FHWA GRS-IBS DESIGN DRAWINGS 2011. FOR ALL DIMENSIONS, USE "POOR SOIL" CONDITION TABLES.

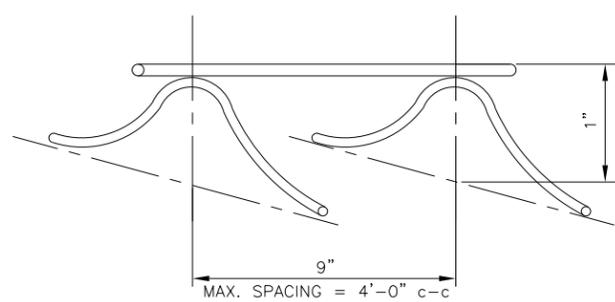


END SECTION

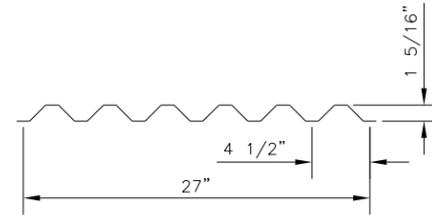
INTERIOR SECTION



DIAPHRAGM DETAIL

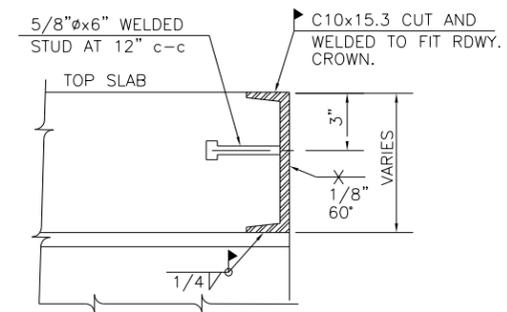


SLAB SPACER DETAIL

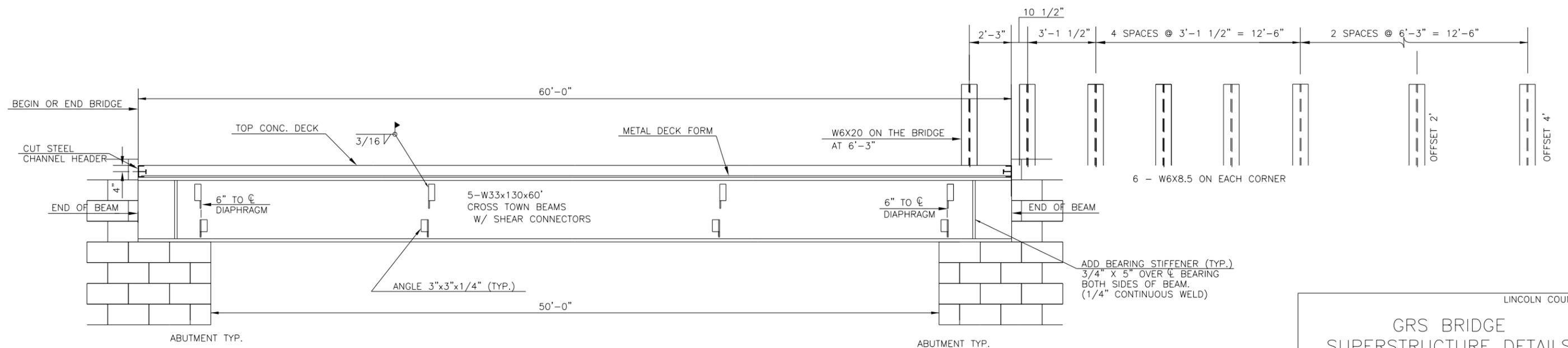


METAL DECK FORM DETAIL

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 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.



STEEL CHANNEL HEADER



LONGITUDINAL SECTION

LINCOLN COUNTY

GRS BRIDGE SUPERSTRUCTURE DETAILS

CONTRACTOR TO MEET AND MATCH EXISTING AT THE BOP AND EOP.

SECTION 24
T-16-N, R-3-E, I.M.

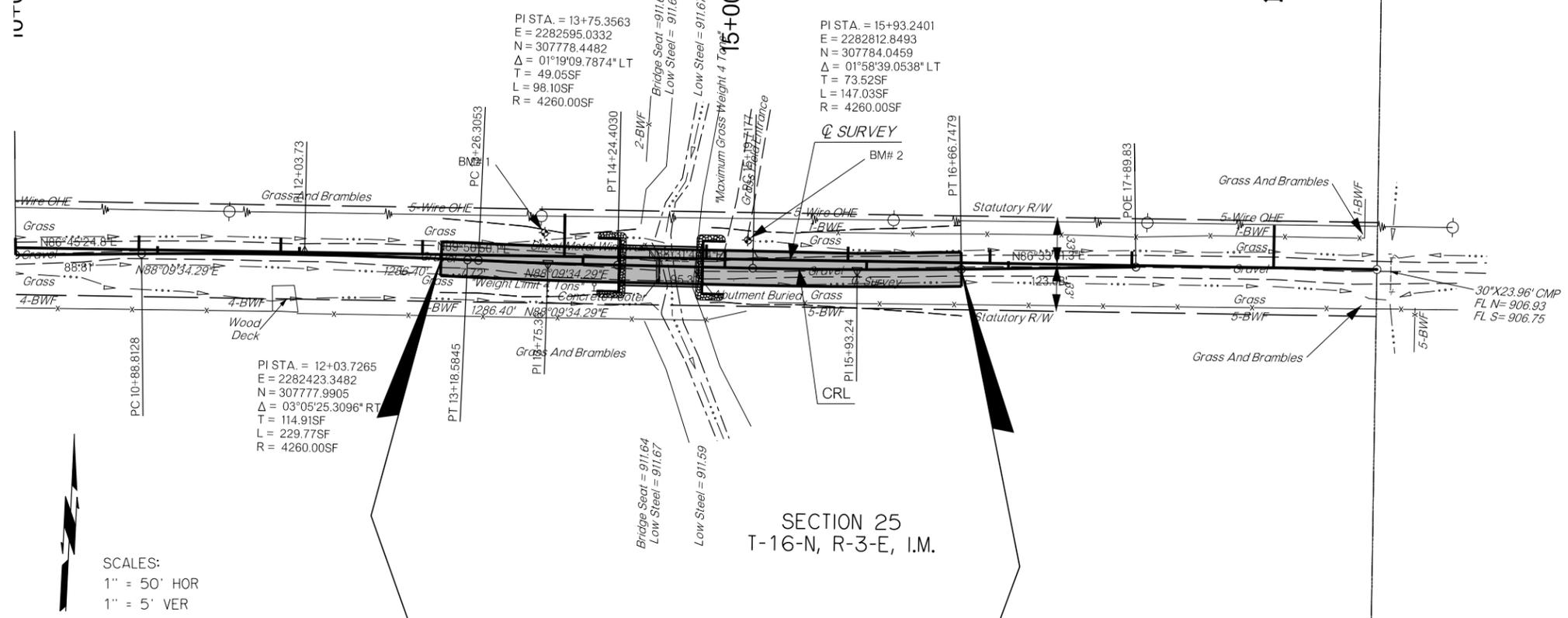
120+00

125+00

15+00

SECTION 25
T-16-N, R-3-E, I.M.

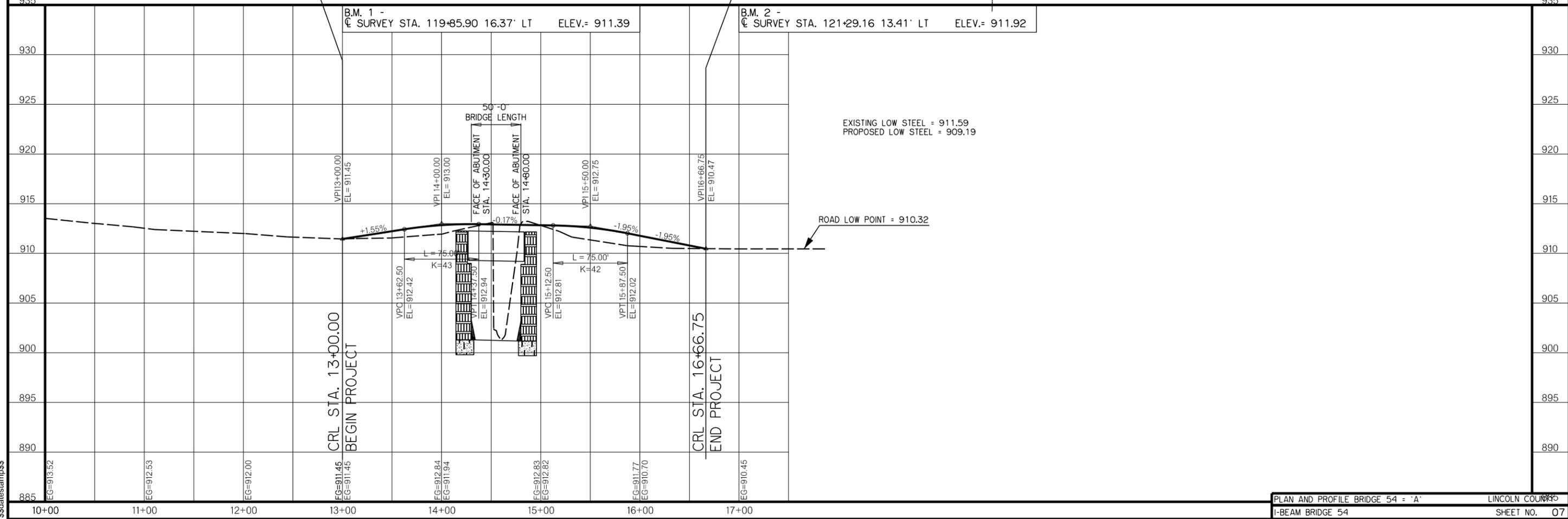
UTUU

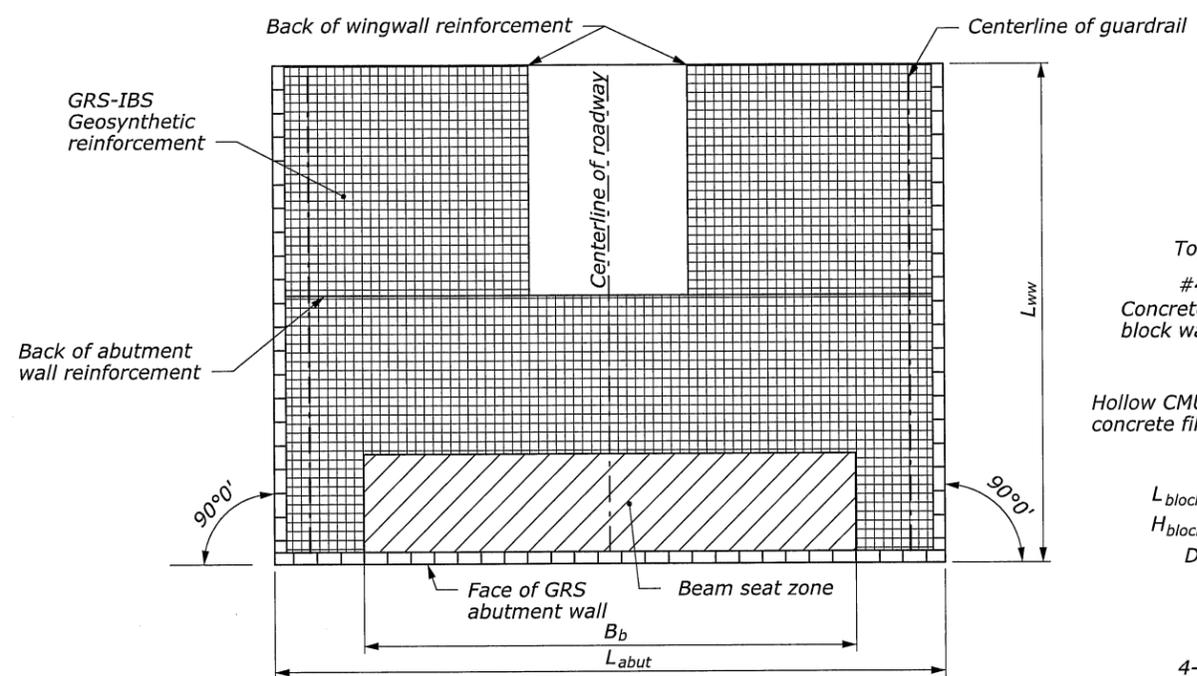


SCALES:
1" = 50' HOR
1" = 5' VER

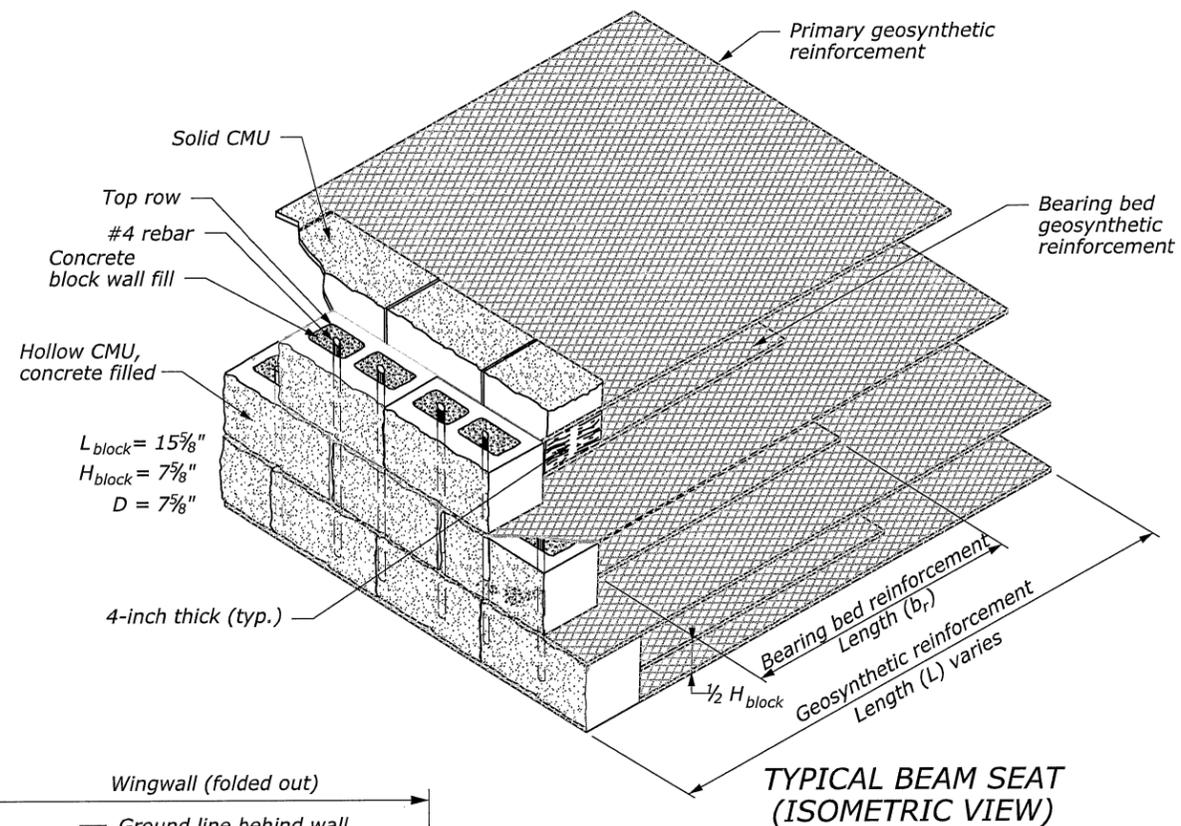
B.M. 1 -
C SURVEY STA. 119+85.90 16.37' LT ELEV.= 911.39

B.M. 2 -
C SURVEY STA. 121+29.16 13.41' LT ELEV.= 911.92





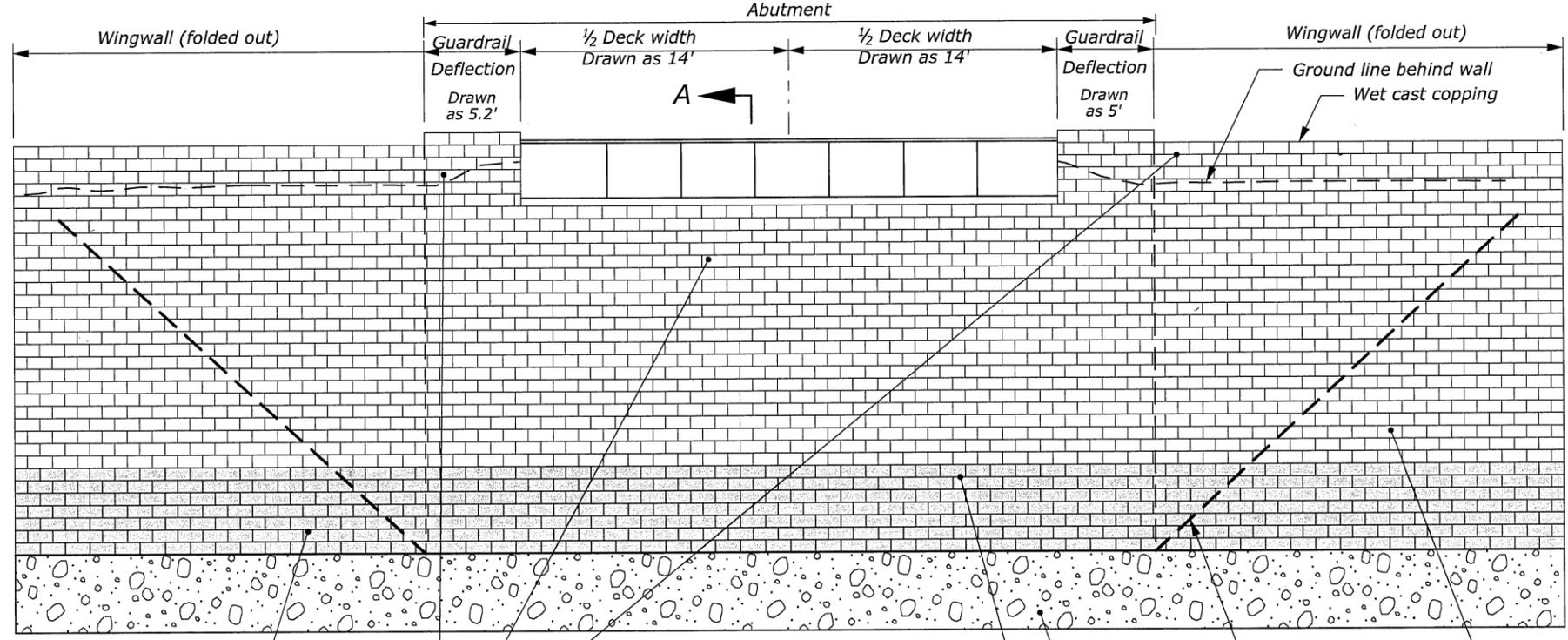
**PLAN VIEW
GRS-IBS ABUTMENT**
Facing Block Schedule
SCALE: 1/8" = 1'-0"



**TYPICAL BEAM SEAT
(ISOMETRIC VIEW)**

NOTE:

1. Insert #4 rebars into the top 3 rows of CMU's and corner CMU's and fill with concrete.
2. Adjust length and angle of wingwalls for site specific conditions and quantities in Sheet B accordingly.
3. If RSF is not used beneath the wingwalls, then additional independent retaining wall calculations should be performed to determine the stability of the wingwalls.
4. Superelevation of the roadway is assumed to have a crest at the centerline of the roadway, which corresponds to the maximum design clear space (d).
5. No skew angle of the bridge to the stream channel is assumed.
6. No angular distortion between abutments is assumed.
7. Solid core CMU's placed up to the riprap height (5 feet typ.).
8. CMU blocks are staggered, including corners, so there are no vertical joints greater than 1 CMU block height.
9. Guardrail type and location to be designed by others in accordance with required safety standards.



**ELEVATION VIEW^{2/}
GRS-IBS ABUTMENT**
Facing Block Schedule
SCALE: 1/8" = 1'-0"

FOOTNOTE:

- 1/ Bench wingwall as necessary.
- 2/ Wingwalls folded out for elevation view.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
WESTERN FEDERAL LANDS HIGHWAY DIVISION

**GRS-IBS
PLAN AND ELEVATION
FACING BLOCK SCHEDULE**

4/4/2011
...\\FH_Geotechnical_C_Plan_Elevation.dgn [Int_R2D]

NO.	DATE	BY	REVISIONS	NO.	DATE	BY	REVISIONS	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	PROJECT TEAM LEADER	BRIDGE DRAWING	DATE	DRAWING NO.
	03/25/11		Rev. 0		04/04/11		Rev. 1	FHWA	C. TUTTLE	R. BARROWS, B. COLLINS, M. DODSON, M. ELIAS A. ALZAMORA, J. NICKS	AS SHOWN	M. ADAMS	3 of 4	04/2011	

