



State of West Virginia  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

# Solicitation

NUMBER

07130866

PAGE

1

ADDRESS CORRESPONDENCE TO ATTENTION OF:

ALAN CUMMINGS  
304-558-2402

RFQ COPY

TYPE NAME/ADDRESS HERE

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DIVISION OF HIGHWAYS  
JOBSITE  
SEE SPECIFICATIONS

DATE PRINTED

03/07/2013

BID OPENING DATE:

03/27/2013

BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		210-16		
CONCRETE BOX BEAMS AND ACCESSORIES						
REQUEST FOR QUOTATION						
THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF HIGHWAYS, IS SOLICITING BIDS TO PROVIDE THE AGENCY WITH CONCRETE BOX BEAMS AND ACCESSORIES FOR JOHN STREET CULVERT REPLACEMENT PROJECT # S321-33/25-.079 PER THE ATTACHED SPECIFICATIONS.						
***** THIS IS THE END OF RFQ 07130866 ***** TOTAL:						

SIGNATURE

TELEPHONE

DATE

TITLE

FEIN

ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

### INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. **REVIEW DOCUMENTS THOROUGHLY:** The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.
2. **MANDATORY TERMS:** The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.
3. **PREBID MEETING:** The item identified below shall apply to this Solicitation.

☒ A pre-bid meeting will not be held prior to bid opening.

☐ A NON-MANDATORY PRE-BID meeting will be held at the following place and time:

☐ A MANDATORY PRE-BID meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one person attending the pre-bid meeting may represent more than one Vendor.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. The State will not accept any other form of proof or documentation to verify attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing. Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required

information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in, but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. **VENDOR QUESTION DEADLINE:** Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are non-binding.

Question Submission Deadline: 03/19/2013

Submit Questions to:

Alan Cummings

2019 Washington Street, East

P.O. Box 50130

Charleston, WV 25305

Fax: 304-558-3970

Email: Alan.W.Cummings@WV.Gov

5. **VERBAL COMMUNICATION:** Any verbal communication between the Vendor and any State personnel is not binding, including that made at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.
6. **BID SUBMISSION:** All bids must be signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The bid delivery address is:

Department of Administration, Purchasing Division  
2019 Washington Street East  
P.O. Box 50130,  
Charleston, WV 25305-0130

The bid should contain the information listed below on the face of the envelope or the bid may not be considered:

**SEALED BID**

BUYER: \_\_\_\_\_  
 SOLICITATION NO.: \_\_\_\_\_  
 BID OPENING DATE: \_\_\_\_\_  
 BID OPENING TIME: \_\_\_\_\_  
 FAX NUMBER: \_\_\_\_\_

In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal plus n/a convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE:    ☐ Technical  
                  ☐ Cost

7. **BID OPENING:** Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when time stamped by the official Purchasing Division time clock.

**Bid Opening Date and Time:**

03/27/2013 - 1:30 P.M.

**Bid Opening Location:**

Department of Administration, Purchasing Division  
 2019 Washington Street East  
 P.O. Box 50130,  
 Charleston, WV 25305-0130

8. **ADDENDUM ACKNOWLEDGEMENT:** Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.
9. **BID FORMATTING:** Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.



**GENERAL TERMS AND CONDITIONS:**

1. **CONTRACTUAL AGREEMENT:** Issuance of a Purchase Order signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.
  
2. **DEFINITIONS:** As used in this Solicitation / Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation / Contract.
  - 2.1 **"Agency" or "Agencies"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.
  - 2.2 **"Contract"** means the binding agreement that is entered into between the State and the Vendor to provide the goods and services requested in the Solicitation.
  - 2.3 **"Director"** means the Director of the West Virginia Department of Administration, Purchasing Division.
  - 2.4 **"Purchasing Division"** means the West Virginia Department of Administration, Purchasing Division.
  - 2.5 **"Purchase Order"** means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the successful bidder and Contract holder.
  - 2.6 **"Solicitation"** means the official solicitation published by the Purchasing Division and identified by number on the first page thereof.
  - 2.7 **"State"** means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.
  - 2.8 **"Vendor" or "Vendors"** means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. **CONTRACT TERM; RENEWAL; EXTENSION:** The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

☐ **Term Contract**

**Initial Contract Term:** This Contract becomes effective on   
  
 and extends for a period of  year(s).

**Renewal Term:** This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal must be submitted to the Purchasing Division Director thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Renewal of this Contract is limited to  successive one (1) year periods. Automatic renewal of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases. Attorney General approval may be required for vendor terms and conditions.

**Reasonable Time Extension:** At the sole discretion of the Purchasing Division Director, and with approval from the Attorney General's office (Attorney General approval is as to form only), this Contract may be extended for a reasonable time after the initial Contract term or after any renewal term as may be necessary to obtain a new contract or renew this Contract. Any reasonable time extension shall not exceed twelve (12) months. Vendor may avoid a reasonable time extension by providing the Purchasing Division Director with written notice of Vendor's desire to terminate this Contract 30 days prior to the expiration of the then current term. During any reasonable time extension period, the Vendor may terminate this Contract for any reason upon giving the Purchasing Division Director 30 days written notice. Automatic extension of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases, but Attorney General approval may be required.

- ☒ **Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within  days.
- ☐ **One Time Purchase:** The term of this Contract shall run from the issuance of the Purchase Order until all of the goods contracted for have been delivered, but in no event shall this Contract extend for more than one fiscal year.
- ☐ **Other:** See attached.

4. **NOTICE TO PROCEED:** Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Purchase Order will be considered notice to proceed
5. **QUANTITIES:** The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.
  - ☐ **Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.
  - ☐ **Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.
  - ☐ **Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.
  - ☒ **One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.
6. **PRICING:** The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification.
7. **EMERGENCY PURCHASES:** The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.
8. **REQUIRED DOCUMENTS:** All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.
  - ☐ **BID BOND:** All Vendors shall furnish a bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

- [ ] **PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of . The performance bond must be issued and received by the Purchasing Division prior to Contract award. On construction contracts, the performance bond must be 100% of the Contract value.

- [ ] **LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be issued and delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable.

- [ ] **MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

- [ ] **WORKERS' COMPENSATION INSURANCE:** The apparent successful Vendor shall have appropriate workers' compensation insurance and shall provide proof thereof upon request.

- [ ] **INSURANCE:** The apparent successful Vendor shall furnish proof of the following insurance prior to Contract award:

- [ ] **Commercial General Liability Insurance:**  
 or more.

- [ ] **Builders Risk Insurance:** builders risk – all risk insurance in an amount equal to 100% of the amount of the Contract.

- [ ]

- [ ]

- [ ]

- [ ]

- [ ]

The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed above.

- ☐ **LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section entitled Licensing, of the General Terms and Conditions, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits prior to Contract award, in a form acceptable to the Purchasing Division.

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The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications prior to Contract award regardless of whether or not that requirement is listed above.

9. **LITIGATION BOND:** The Director reserves the right to require any Vendor that files a protest of an award to submit a litigation bond in the amount equal to one percent of the lowest bid submitted or \$5,000, whichever is greater. The entire amount of the bond shall be forfeited if the hearing officer determines that the protest was filed for frivolous or improper purpose, including but not limited to, the purpose of harassing, causing unnecessary delay, or needless expense for the Agency. All litigation bonds shall be made payable to the Purchasing Division. In lieu of a bond, the protester may submit a cashier's check or certified check payable to the Purchasing Division. Cashier's or certified checks will be deposited with and held by the State Treasurer's office. If it is determined that the protest has not been filed for frivolous or improper purpose, the bond or deposit shall be returned in its entirety.
10. **ALTERNATES:** Any model, brand, or specification listed herein establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.
11. **EXCEPTIONS AND CLARIFICATIONS:** The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or

other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

**12. LIQUIDATED DAMAGES:** Vendor shall pay liquidated damages in the amount

2% of the contract total, assessed daily, for delivery delays over 60 working days

This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy.

**13. ACCEPTANCE/REJECTION:** The State may accept or reject any bid in whole, or in part. Vendor's signature on its bid signifies acceptance of the terms and conditions contained in the Solicitation and Vendor agrees to be bound by the terms of the Contract, as reflected in the Purchase Order, upon receipt.

**14. REGISTRATION:** Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee if applicable.

**15. COMMUNICATION LIMITATIONS:** In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

**16. FUNDING:** This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.

**17. PAYMENT:** Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears, to the Agency at the address on the face of the purchase order labeled "Invoice To."

**18. UNIT PRICE:** Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

**19. DELIVERY:** All quotations are considered freight on board destination ("F.O.B. destination") unless alternate shipping terms are clearly identified in the bid. Vendor's listing of shipping terms that contradict the shipping terms expressly required by this Solicitation may result in bid disqualification.

**20. INTEREST:** Interest attributable to late payment will only be permitted if authorized by the West Virginia Code. Presently, there is no provision in the law for interest on late payments.

**21. PREFERENCE:** Vendor Preference may only be granted upon written request and only in accordance with the West Virginia Code § 5A-3-37 and the West Virginia Code of State Rules. A Resident Vendor Certification form has been attached hereto to allow Vendor to apply for the preference. Vendor's



failure to submit the Resident Vendor Certification form with its bid will result in denial of Vendor Preference. Vendor Preference does not apply to construction projects.

22. **SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES:** For any solicitations publicly advertised for bid on or after July 1, 2012, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to submission of its bid to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.
23. **TAXES:** The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
24. **CANCELLATION:** The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-7.16.2.
25. **WAIVER OF MINOR IRREGULARITIES:** The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.
26. **TIME:** Time is of the essence with regard to all matters of time and performance in this Contract.
27. **APPLICABLE LAW:** This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.
28. **COMPLIANCE:** Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendors acknowledge that they have reviewed, understand, and will comply with all applicable law.
29. **PREVAILING WAGE:** On any contract for the construction of a public improvement, Vendor and any subcontractors utilized by Vendor shall pay a rate or rates of wages which shall not be less than the fair minimum rate or rates of wages (prevailing wage), as established by the West Virginia Division of Labor under West Virginia Code §§ 21-5A-1 et seq. and available at <http://www.sos.wv.gov/administrative-law/wagerates/Pages/default.aspx>. Vendor shall be responsible for ensuring compliance with prevailing wage requirements and determining when prevailing wage



requirements are applicable. The required contract provisions contained in West Virginia Code of State Rules § 42-7-3 are specifically incorporated herein by reference.

30. **ARBITRATION:** Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.
31. **MODIFICATIONS:** This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary, no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). **No Change shall be implemented by the Vendor until such time as the Vendor receives an approved written change order from the Purchasing Division.**
32. **WAIVER:** The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.
33. **SUBSEQUENT FORMS:** The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.
34. **ASSIGNMENT:** Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments. Notwithstanding the foregoing, Purchasing Division approval may or may not be required on certain agency delegated or exempt purchases.
35. **WARRANTY:** The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.
36. **STATE EMPLOYEES:** State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.
37. **BANKRUPTCY:** In the event the Vendor files for bankruptcy protection, the State of West Virginia may deem this Contract null and void, and terminate this Contract without notice.

- 38. HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at <http://www.state.wv.us/admin/purchase/vrc/hipaa.html> and is hereby made part of the agreement provided that the Agency meets the definition of a Covered entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the Vendor. Additionally, the HIPAA Privacy, Security, Enforcement & Breach Notification Final Omnibus Rule was published on January 25, 2013. It may be viewed online at <http://www.gpo.gov/fdsys/pkg/FR-2013-01-25/pdf/2013-01073.pdf>. Any organization, that qualifies as the Agency's Business Associate, is expected to be in compliance with this Final Rule. For those Business Associates entering into contracts with a HIPAA Covered State Agency between January 25, 2013 and the release of the 2013 WV State Agency Business Associate Agreement, or September 23, 2013 (whichever is earlier), be advised that you will be required to comply with the 2013 WV State Agency Business Associate Agreement. For those Business Associates with contracts with a HIPAA Covered State Agency executed prior to January 25, 2013, be advised that upon renewal or modification, you will be required to comply with the 2013 WV State Agency Business Associate Agreement no later than September 22, 2014.
- 39. CONFIDENTIALITY:** The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.
- 40. DISCLOSURE:** Vendor's response to the Solicitation and the resulting Contract are considered public documents and will be disclosed to the public in accordance with the laws, rules, and policies governing the West Virginia Purchasing Division. Those laws include, but are not limited to, the Freedom of Information Act found in West Virginia Code § 29B-1-1 et seq.

If a Vendor considers any part of its bid to be exempt from public disclosure, Vendor must so indicate by specifically identifying the exempt information, identifying the exemption that applies, providing a detailed justification for the exemption, segregating the exempt information from the general bid information, and submitting the exempt information as part of its bid but in a segregated and clearly identifiable format. Failure to comply with the foregoing requirements will result in public disclosure of the Vendor's bid without further notice. A Vendor's act of marking all or nearly all of its bid as exempt is not sufficient to avoid disclosure and WILL NOT BE HONORED. Vendor's act of marking a bid or any part thereof as "confidential" or "proprietary" is not sufficient to avoid disclosure and WILL NOT BE HONORED. In addition, a legend or other statement indicating that all or substantially all of the bid is exempt from disclosure is not sufficient to avoid disclosure and WILL NOT BE HONORED. Vendor will be required to defend any claimed exemption for nondisclosure in the event of an administrative or judicial challenge to the State's nondisclosure. Vendor must indemnify the State for any costs incurred related to any exemptions claimed by Vendor. Any questions regarding the applicability of the various public records laws should be addressed to your own legal counsel prior to bid submission.

- 41. LICENSING:** In accordance with West Virginia Code of State Rules §148-1-6.1.7, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.
- 42. ANTITRUST:** In submitting a bid to, signing a contract with, or accepting a Purchase Order from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.
- 43. VENDOR CERTIFICATIONS:** By signing its bid or entering into this Contract, Vendor certifies (1) that its bid was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid for the same material, supplies, equipment or services; (2) that its bid is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this RFQ in its entirety; understands the requirements, terms and conditions, and other information contained herein. Vendor's signature on its bid also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency.

The individual signing this bid on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

- 44. PURCHASING CARD ACCEPTANCE:** The State of West Virginia currently utilizes a Purchasing Card program, administered under contract by a banking institution, to process payment for goods and services. The Vendor must accept the State of West Virginia's Purchasing Card for payment of all orders under this Contract unless the box below is checked.

☒ Vendor is not required to accept the State of West Virginia's Purchasing Card as payment for all goods and services.

- 45. VENDOR RELATIONSHIP:** The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting,

supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, *etc.* and the filing of all necessary documents, forms and returns pertinent to all of the foregoing. Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

46. **INDEMNIFICATION:** The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.
47. **PURCHASING AFFIDAVIT:** In accordance with West Virginia Code § 5A-3-10a, all Vendors are required to sign, notarize, and submit the Purchasing Affidavit stating that neither the Vendor nor a related party owe a debt to the State in excess of \$1,000. The affidavit must be submitted prior to award, but should be submitted with the Vendor's bid. A copy of the Purchasing Affidavit is included herewith.
48. **ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE:** This Contract may be utilized by and extends to other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts ("Other Government Entities"). This Contract shall be extended to the aforementioned Other Government Entities on the same prices, terms, and conditions as those offered and agreed to in this Contract. If the Vendor does not wish to extend the prices, terms, and conditions of its bid and subsequent contract to the Other Government Entities, the Vendor must clearly indicate such refusal in its bid. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.
49. **CONFLICT OF INTEREST:** Vendor, its officers or members or employees, shall not presently have or acquire any interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

**50. REPORTS:** Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

- ☐ Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.
- ☐ Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at [purchasing.requisitions@wv.gov](mailto:purchasing.requisitions@wv.gov).

**51. BACKGROUND CHECK:** In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision.

The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

**52. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS:** Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or



such operations, from steel made by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process.

The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:

- a. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
- b. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

**53. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL:** In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products.

This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

**CERTIFICATION AND SIGNATURE PAGE**

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

---

(Company)

---

(Authorized Signature)

---

(Representative Name, Title)

---

(Phone Number)

(Fax Number)

---

(Date)



**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.:** 07130866

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |   |  |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

\_\_\_\_\_  
Company

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

**SPECIFICATIONS**

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Division of Highways to establish a contract for the one time purchase of Concrete Box Beams, Bridge Rail, and Components for John Street Culvert Replacement.
2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.
  - 2.1 **“Contract Item”** means Concrete Box Beams, Bridge Rails, and other Components.
  - 2.2 **“Pricing Page”** means the pages upon which Vendor should list its proposed price for the Contract Items in the manner requested. The Pricing Page is either included on the last page of this RFQ or attached hereto as Exhibit A.
  - 2.3 **“RFQ”** means the official request for quotation published by the Purchasing Division and identified as 07130866.
3. **GENERAL REQUIREMENTS:**
  - 3.1 **Mandatory Contract Item Requirements:** Contract Items must meet or exceed the mandatory requirements listed below.
    - 3.1.1 **747 square feet, 17 inch Interior box beam**
      - 3.1.1.1 Box beam must be 6 pieces – 3 feet 0 inches X 41 feet 6 inches.
      - 3.1.1.2 Box beam must have a minimum strength of 5500 psi at detention and 8000 psi at 28 days. Pre-stressing strands must be seven-wire uncoated low relaxation oversize strand (AS=0.167 square inches) with a minimum tensile strength of 270,000 psi.
      - 3.1.1.3 Box beam lab reports must accompany the shipping ticket.

REQUEST FOR QUOTATION  
07130866 Concrete Box Beams, Bridge Rail, and Components

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**3.1.2 249 square feet, 17 inch Exterior box beam**

**3.1.2.1** Box beam must be 2 pieces – 3 feet 0 inches X 41 feet 6 inches.

**3.1.2.2** Box beam must have a minimum strength of 5500 psi at detention and 8000 psi at 28 days. Pre-stressing strands must be seven-wire uncoated low relaxation oversize strand (AS=0.167 square inches) with a minimum tensile strength of 270,000 psi.

**3.1.2.3** Box beam lab reports must accompany the shipping ticket.

**3.1.3 4 each, Elastomeric laminated bearing pads (B-2)**

**3.1.3.1** Pads must be 1-13/16 inches X 4-3/4 inches X 15-1/2 inches.

**3.1.4 14 each, Elastomeric laminated bearing pads (B-1)**

**3.1.4.1** Pads must be 1-13/16 inches X 4-3/4 inches X 28 inches.

**3.1.5 16 each, Swedged anchor bolt or #8 deformed rebar**

**3.1.5.1** Bolt or rebar must be 1 inch X 2 foot 0 inches.

**3.1.6 27.6 square feet, Sponge rubber preformed joint filler**

**3.1.6.1** Joint filler must be 2 inches thick.

**3.1.6.2** Joint filler must be 6-5/8 inches X 25 feet 0 inches.

**3.1.7 4 each. Sponge rubber preformed joint filler**

**3.1.7.1** Joint filler must be 2 inches thick.

**3.1.7.2** Joint filler must be 6-7/8 inches X 4-3/4 inches.

**3.1.8 14 each. Sponge rubber preformed joint filler**

**3.1.8.1** Joint filler must be 2 inches thick.

**3.1.8.2** Joint filler must be 8-3/4 inches X 4-3/4 inches.

**3.1.9 75 linear feet. Bridge rail**

**3.1.9.1** Bridge rail must include inserts, hardware, posts, and guardrail (see plans for detail).

**3.1.9.2** Bridge rail (12 bridge guardrail posts with hardware, and 75 linear feet of guardrail) must be attached to beams by fabricator.

*Note: Shipping constraints may limit the length of attached guardrail.*

**3.1.10 35 each. Sponge rubber washer**

**3.1.10.1** Washer must have 3-1/2 inch hole.

**3.1.10.2** Washer must be 8 inches X 8 inches X 1 inch thick.

REQUEST FOR QUOTATION  
07130866 Concrete Box Beams, Bridge Rail, and Components

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**3.1.11 10 each. Post tension bearing plates**

3.1.11.2 Bearing plate must be 9 inches X 9 inches X 1 inch thick.

**3.1.12 108 linear feet. Post tension bar**

3.1.12.1 Post tension bar must be 1 inch diameter.

3.1.12.2 Post tension bar must be 4 pieces – 27 feet 0 inches long.

3.1.12.3 Post tension bar must come with nuts.

**3.1.13 4 each. Asymmetrical Thrie beam transition section**

3.1.13.1 Transition sections must be 6 feet 3 inches.

3.1.13.2 Transition sections must be supplied but NOT attached.

*Materials supplied under this contract shall meet the applicable requirements of the West Virginia Dept. of Transportation, Division of Highways Standard Specification Roads and Bridges Nov. 2010 and the current Supplemental Specifications. Specifications are available on the following website:*

[www.transportation.wv.gov/highways/engineering/pages/publications.aspx](http://www.transportation.wv.gov/highways/engineering/pages/publications.aspx)

**4. CONTRACT AWARD:**

**4.1 Contract Award:** The Contract is intended to provide Agencies with a purchase price for the Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages.

**4.2 Pricing Page:** Vendor should complete the Pricing Page by filling in "Unit Cost", "Total", and the "Grand Total" in the blank spaces provided. Vendor should complete the Pricing Page in full as failure to complete the Pricing Page in its entirety may result in Vendor's bid being disqualified.

Notwithstanding the foregoing, the Purchasing Division may correct errors as it deems appropriate. Vendor should type or electronically enter the information into the Pricing Page to prevent errors in the evaluation.

**5. PAYMENT:**

**5.1 Payment:** Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

**6. DELIVERY AND RETURN:**

**6.1 Shipment and Delivery:** Vendor shall ship the Contract Items immediately after being awarded this Contract and receiving a purchase order or notice to proceed. Vendor shall deliver the Contract Items within **60** working days after receiving a purchase order or notice to proceed. Contract Items must be delivered to the Agency at the bridge site in Lewis County as shown on sheet 1 of the plans.

**6.2 Late Delivery:** The Agency placing the order under this Contract must be notified in writing if the shipment of the Contract Items will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the Contract, and/or obtaining the Contract Items from a third party.

Any Agency seeking to obtain the Contract Items from a third party under this provision must first obtain approval of the Purchasing Division.

**6.3 Delivery Payment/Risk of Loss:** Vendor shall deliver the Contract Items F.O.B. destination to the Agency's location.

REQUEST FOR QUOTATION  
07130866 Concrete Box Beams, Bridge Rail, and Components

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- 6.4 Return of Unacceptable Items:** If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.
- 6.5 Return Due to Agency Error:** Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

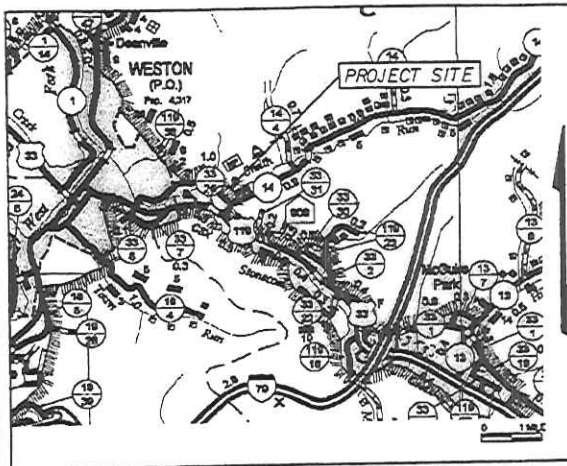


# WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR CONSTRUCTION

## OF JOHN STREET CULVERT REPLACEMENT

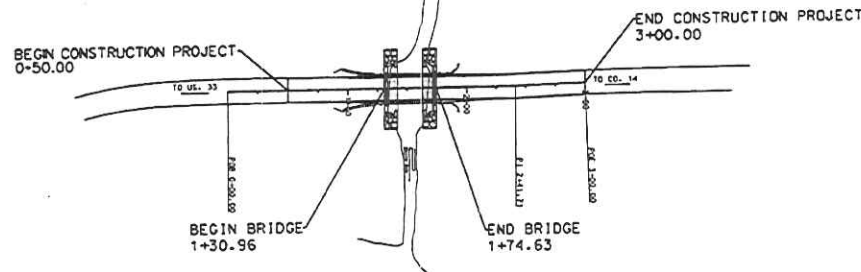
STATE PROJECT NO. S321-33/25-0.79  
COUNTY ROUTE NO. 33/25  
FREEMANS CREEK DISTRICT  
LEWIS COUNTY

	Station	Station	ft.	miles
Roadway	0+50.00	to 1+30.96	80.96	0.015
Bridge	1+30.96	to 1+74.63	43.67	0.008
Roadway	1+74.63	to 3+00.00	125.37	0.024
Total Project Length			250.00	0.047



### UTILITIES

MON POWER  
FRONTIER OF WV  
WV AMERICAN WATER  
DOMINION HOPE  
WESTON SANITARY



LAYOUT SCALE  
0 50 ft.

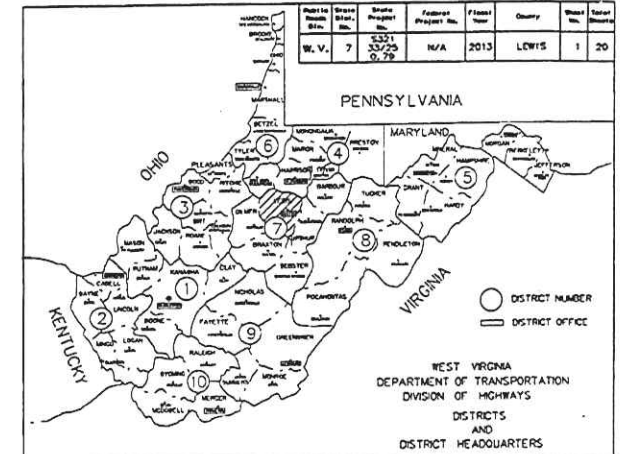
### INDEX TO SHEETS

NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES
3	EXISTING ELEVATION & DECK SECTION, SCOP
4	OF WORK, & ESTIMATE OF QUANTITIES
5	R/W AND UTILITY INDEX
6	PROJECT PLAN VIEW
7	GEOMETRIC LAYOUT & REFERENCES
8	PROFILES AND TYP. SECTIONS
9	PROPOSED BRIDGE PLAN VIEW, POST
10	TEN, ROD DETAILS, & GUARDRAIL DETAILS
11	ELEVATION VIEW, HYDRAULIC DATA, STRUCTURE
12-13	EXCAVATION DETAILS, & PROP. DECK SECTION
14-15	SUBSTRUCTURE DETAILS
16-20	C.R. 33/25 CROSS SECTIONS

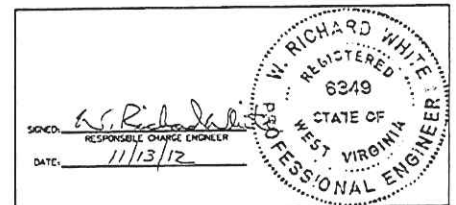
NO.	REVISIONS	DATE	BY
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I HEREBY CERTIFY THAT THIS IS A CORRECT COPY OF THE  
PLANS OF PROJECT S321-33/25-0.79

*Richard White*  
REGISTERED PROFESSIONAL ENGINEER  
DATE: 11/13/12



TYPE OF CONSTRUCTION  
BRIDGE REPLACEMENT  
BR. NO. 21-33/25-0.80  
•11095



NOTES: STANDARD DETAIL BOOK VOL. I DATED  
JANUARY 1, 2000 & VOLUME II DATED  
JANUARY 1, 1994, SHALL APPLY TO  
THIS PROJECT.

RECOMMENDED *Richard White*  
FOR APPROVAL *Paul A. Winters*  
APPROVED *Paul A. Winters*  
COMMISSIONER OF HIGHWAYS

DESIGNED BY:	MRW	8-12
DRAWN BY:	MRW	8-12
CHECKED BY:	MRW	9-12
REVIEWED BY:	MRW	10-12

DESIGN DESIGNATION	
A. O. T.	(2009) 23, 100
A. O. T.	(2009) 23, 128
D. M. V.	N/A
D.	N/A
T.	N/A
V.	23, 100

### CONVENTIONAL SIGNS

STATE LINE	---
COUNTY LINE	---
CORPORATION LINE	---
PROPOSED R/W & EASEMENT LINE	---
EXISTING R/W LINE	---
PROPERTY LINE	---
EXISTING FENCE	---
PROPOSED FENCE	---
EDGE OF STREAM	---
PROPOSED GUARD RAIL	---
EXISTING GUARD RAIL	---
RAILROAD	---
GAS LINE	---
WATER LINE	---
TELEPHONE LINE	---
ELECTRIC LINE	---
TELEPHONE POLE	---
POWER POLE	---
COMBINED POWER AND TELEPHONE POLE	---
TREE	---
SHOULDER	---
RIGHT OF WAY MARKER	---

PROJECT NO. S321-33/25-0.79

The governing provisions applicable to this project are the West Virginia Department of Highways Standard Specifications, Roads and Bridges, adopted 2000, as amended by the current Supplemental Specifications of the West Virginia Department of Highways, the contract plans and the contract documents.

This bridge is designed for an HS-20 live load capacity, as well as for a 70 p.s.f. wearing surface.

Design Live Stresses:		
Reinforcing Steel $f_s$	20,000 p.s.i.	Class B Concrete $f_c$
Structural Steel (A36) $f_s$	20,000 p.s.i.	Class B Concrete $f_c$
Structural Steel (A660) $f_s$	27,000 p.s.i.	Class B Concrete $n$

This bridge is strengthened for a live load capacity of  $100 \text{ k}$  Strengthening steel design stress =  $40 \text{ ksi}$ . All structural steel shall be A36 unless otherwise designated in the construction plans.

The minimum covering, measured from the surface of the concrete to the face of any reinforcing steel bar, shall be 3 inches if the concrete is in contact with the ground surface and 2 inches otherwise, except as specified differently on the plans.

At concrete in the abutments shall be Class B, as implied.

Other cast in place of the abutment concrete work, except for the abutment curbs, shall be Classured 340 lbs.

Concrete of the abutments shall be Class I, Ordinary Surface Finish, in accordance with Subsection 601.1 of the Standard Specifications, except for the abutment curbs and wingwalls, which shall be Class 2, Ribbed Finish, in accordance with Subsection 601.2 of the Standard Specifications.

The abutment concrete during and after the pour shall be covered until the abutment is in place.

For footings embedded in rock, the top of the abutment footing shall be maintained at the elevation as shown on the drawings.

The abutment shall be finished with a smooth surface, except where the rock surface is exposed on the face of the rock without being, except where the rock excavation is not the entire depth of the footing.

The abutment bearing seat, upon which the abutment or other bearing beams will rest, shall be finished with a smooth surface.

For anchor bolts having non-riveting girth anchor bolts are set, the non-shrink grout shall consist of 1 part regular portland cement, 1 part silica sand and 1 part non-shrink admixture. The cost of the grout shall be included in the cost of the concrete.

Chamfer all exposed edges of the curb on all streets and medians. The exposed surfaces of the curb shall be Class 2, Rubbed Finish, in accordance with Subsection 601.1.2 of the Standard Specifications. Bridge decks shall be finished in accordance with Subsection 601.1.4 of the Standard Specifications.

All carrying metal shall be immovable grade 40 steel, 60 to 80 in accordance with Subsection 709.3 of the Standard Specifications. The requirements of Section 607 of the Standard Specifications shall be followed.

The minimum length of any door bar empiment shall be 30 in. diameter.

Reinforcement under the shoes or other bearing device shall be placed so as to avoid interference with the carrying of other loads.

The minimum length of any random turn from the reinforcing bar to test bars, he shall not 1/4" from the chain runner, unless have been detailed to allow a 36 in. diameter shaft at each end. One runner for each 10 in. or fraction thereof, of each shoe has been included in the list of steel and will be paid for as such. The minimum length of any random turn from the reinforcing bar to test bars, he shall not 1/4" from the chain runner, unless have been detailed to allow a 36 in. diameter shaft at each end. One runner for each 10 in. or fraction thereof, of each shoe has been included in the list of steel and will be paid for as such. The minimum length of any random turn from the reinforcing bar to test bars, he shall not 1/4" from the chain runner, unless have been detailed to allow a 36 in. diameter shaft at each end. One runner for each 10 in. or fraction thereof, of each shoe has been included in the list of steel and will be paid for as such.

In the event that any shipment of material has been presented and has been subjected to inspection and found to be in accordance with the requirements of the Standard Specifications, the same shall be accepted without further subject to record sampling provisions.

Structure excavation quantities through earth fill shall be measured from the top of rock to the original ground line, 18 inches outside the restline of the footings. No excavation will be classified as well as rock excavation. Rock shall be excavated and paid for as structure excavation to the next line of the footings line. Rock shall be excavated until a level surface is provided with the same footing resting on hard soil.

The provider of the AASHTO Specifications is in accordance with Article 115.4.9 of the Standard Specifications shall apply to those items of structural steel shown under designated by these plans.

Sign and field painting shall be in accordance with Section 215 of the current Standard Specifications and/or Special Provisions.

**OPTION 2** **Print system** shall consist of one vinyl prime coat, one half prime coat and two full finish coats.

**Prime Vinyl Coat:** One complete coat of vinyl/ship primer conforming to the requirements of Subsection 711.7 of the Standard Specifications. This will replace the ship paint specified in Subsection 615.3.2 of the Standard Specifications.

**Half Finish Coat:** One complete coat of fluorescent primer conforming to the requirements of Subsection 711.8 of the Standard Specifications. Dry film thickness shall be a minimum of two (2) mils.

**Full Finish Coat:** One complete coat of fluorescent primer conforming to the requirements of Subsection 711.8 of the Standard Specifications. The color shall be (1) in accordance with Federal Standard 595, number (2). Dry film thickness shall be a minimum of two (2) mils.

**Top Finish Coat:** One complete pigmented finish conforming to the requirements of Subsection 711.9 of the Standard Specifications of the Minnesota Department of Transportation Standard 166. Dry film thickness shall be a minimum of three (3) mils.

**OPTION 99**

Farm system shall consist of shop, grain shed, horse厩, field layout and fresh water. Field center shall also include landings and repair of grain shed. Horse厩 shall be the largest in this system meeting the requirements of Section 71.20.2 of the Standard Specifications.

**Feed House** shall conform to the requirements of Subsection 71.20.3 of the Standard Specifications. Dry film thickness shall be minimum two (2) mils.

**Intermediate Field Cuts** shall conform to the requirements of Subsection 71.20.3 of the Standard Specifications.

**Topsoil** shall conform to the requirements of Subsection 71.20.4 of the Standard Specifications. The thickness shall be in accordance with Federal Standard 995, number 7. Dry the thickness of the topsoil shall be minimum of seven (7) mils.

OPTION 5C Paint system shall consist of application of shop prime coat and field touch-up and make of shop coat. Paint system shall be the inorganic zinc rich primer meeting the requirements of Section 01320 of the Standard Specifications. Dry film thickness shall be a minimum three (3) mils.

Field clearing and painting shall be in accordance with either OPTION (ISA) or (IOP) and shall conform to all applicable requirements of Section 820 of the current Standard Specifications and/or Special Provisions. When it is determined that the structure contains an environmentally hazardous material, such as lead, then option (IOP) shall also apply.

The remaining portions of the structure not specified, shall be checked in accordance with Subsection 606.2.2.

Attention is called to the requirements of paragraph 2 of Section 425.8 which require that edges of paint be properly finished to produce a smooth appearance.

**Steel Fabrication:** All steel surfaces destined to have metal shop primers shall receive one coat of Innershield primer conforming to the requirements of Section XIII of the Standard Specifications. This coat shall be tested with a string spurt test as recommended by the prime manufacturer and approved by the Engineer.

Upon completion of the spraying, the primer shall conform to the requirements of Section 771.6 of the Standard Specifications. Any film thickness shall be a minimum of two (2) mils.

Intermediate Field Coat Upon completion of application of the primer coat, the entire structure shall receive a minimum of one complete coat of material conforming to the requirements of Section 771.6 of the Standard Specifications. Any film thickness shall be a minimum of two (2) mils. The total shall be a minimum of three (3) mils.

The Coal-Pigmented Finish Coat: Upon completion of application of the intermediate coat, the entire structure shall receive a minimum of one (1) thick pigmented finish coat conforming to the requirements of Section 711.11 of the Standard Specifications. Dry film thickness shall be a minimum two (2) mils. The color

OPTION: 100  
 Remarks: All surfaces to be painted shall be cleaned and prepared in accordance with Section 09.05 of the Standard Specifications to a "white metal" or "near white metal" condition. The paint

Final Prime Coat: All bare surfaces shall be primed with an organic zinc rich primer conforming to the requirements of SSPC Specification Number 20, Type 2. Dry film thickness of the primer shall be a minimum of four (4) mils.

Paint Color: The field spot coat shall conform to the requirements of Article 71.20.4 of the Standard Specifications. The color shall be ① in accordance with Federal Standard 595, number ②. Dry film thickness of the total paint system shall be a minimum seven (7) mils.

~~Environmental Protection: All portions of the structure shall be cleaned in accordance with the General Provision for G30-Coating and Painting Existing Steel Bridges. Sub-articles 620.1, 620.1, 620.10, 620.11, and 620.12 as contained in these plans.~~

Structure excavation quantities through earth fill shall be measured from the bottom (if the footing to the original ground line, 18 inches outside the neat line of the footings. No excavation will be classified as wet or rock excavation.

~~The proposed statement of work shall comply with the requirements of Section 824 of the Revised Statutes.~~

The guardrail, buffer and terminal sections, posts and end anchors shall conform to the requirements as set forth by the West Virginia Department of Highways Standard Details Book (Standard Sheets G.R.1 through G.R.7, as applicable) and Standard Bridge Plan Sheet BR-17. Bolls are required. End anchorage shall be in accordance with Design Directive DD 16.4. All guardrail mounting hardware will be hot-dip galvanized after fabrication. Threads shall be retapped to ensure proper fit. Guardrail posts may be square or beveled.

~~All structural steel shall conform to the requirements of ASTM A36  $F_u = 50,000$  psi unless otherwise indicated.~~

~~For all structural members, including steel girders, structural steel conforming to the requirements of ASTM A36  $F_u = 77,000$  psi may be substituted for ASTM A36 steel. No painting shall be required for ASTM A36 steel.~~

~~OPTIONAL (MA)~~

~~All ASTM A36 steel shall be blast cleaned and shop primed in accordance with Section 05.00 of the Structural Steel Contract.~~

The steel grid flooring shall conform to all applicable requirements of Section 402 of the current Standard Specifications and/or all Special Provisions of the West Virginia Department of Highways. The grid shall conform to all applicable requirements as set forth by the Bright's Grid Flooring Manufacturers Association, size and type shall be as specified on the plans. The steel grid flooring shall conform to all requirements of ASTM A-36, A572 or A588, type as specified on the plans.

The steel grid framing and subcomponents shall either be shop painted with an inorganic zinc rich primer meeting Subsection 711.20.2 of the Standard Specifications or hot dipped galvanized meeting requirements of ASTM A123. Type of coating shall be as specified on the plans.

All reinforcement steel shall be number 3 billet steel bars either Grade 40 or 60 in accordance with Subsection 704.1 of the Standard Specifications.

The concrete used to fill the steel grid shall be Class A air entrained. The design strength for this concrete are  $f_c = 3,500$  psi,  $f_y = 40,000$  psi and  $n=10$ .

The steel grid flooring shall conform to all applicable requirements of Section 621 of the current Standard Specifications and/or all Special Provisions of the West Virginia Department of Highways. The grid shall conform to all applicable requirements as set forth in the Bridge Grid Flooring Manufacturers Association. Size and type shall be as specified on the plans. The steel grid flooring shall conform to all requirements of ASTM A36, A572 or A588, type as specified.

The structural flooring and all components shall either be shop painted with an inorganic zinc-rich primer meeting Subsection 711.20.2 of the Standard Specifications or hot-dipped galvanized meeting requirements of ASTM A123. Type of coating shall be as specified on the plans.

Traffic shall be maintained in accordance with Section 636 and Subsection 104.5 of the Standard Specifications.

CODE	YES	NO	CODE	YES	NO
1	✓	✓	15	✓	✓
2	✓	✓	16	✓	✓
3	✓	✓	17	✓	✓
4	✓	✓	18	✓	✓
5	✓	✓	19	✓	✓
6	✓	✓	20	✓	✓
7	✓	✓	21	✓	✓
8	✓	✓	22	✓	✓
9	✓	✓	23	✓	✓
10	✓	✓	24	✓	✓
11	✓	✓	25	✓	✓
12	✓	✓	26	✓	✓
13	✓	✓	27	✓	✓
14	✓	✓	28	✓	✓
15	✓	✓	29	✓	✓
16	✓	✓	30	✓	✓
17	✓	✓	31	✓	✓
18	✓	✓	32	✓	✓
19	✓	✓	33	✓	✓
20	✓	✓	34	✓	✓
21	✓	✓	35	✓	✓
22	✓	✓	36	✓	✓
23	✓	✓	37	✓	✓
24	✓	✓	38	✓	✓
25	✓	✓	39	✓	✓
26	✓	✓	40	✓	✓
27	✓	✓	41	✓	✓
28	✓	✓	42	✓	✓
29	✓	✓	43	✓	✓
30	✓	✓	44	✓	✓
31	✓	✓	45	✓	✓
32	✓	✓	46	✓	✓
33	✓	✓	47	✓	✓
34	✓	✓	48	✓	✓
35	✓	✓	49	✓	✓
36	✓	✓	50	✓	✓
37	✓	✓	51	✓	✓
38	✓	✓	52	✓	✓
39	✓	✓	53	✓	✓
40	✓	✓	54	✓	✓
41	✓	✓	55	✓	✓
42	✓	✓	56	✓	✓
43	✓	✓	57	✓	✓
44	✓	✓	58	✓	✓
45	✓	✓	59	✓	✓
46	✓	✓	60	✓	✓
47	✓	✓	61	✓	✓
48	✓	✓	62	✓	✓
49	✓	✓	63	✓	✓
50	✓	✓	64	✓	✓
51	✓	✓	65	✓	✓
52	✓	✓	66	✓	✓
53	✓	✓	67	✓	✓
54	✓	✓	68	✓	✓
55	✓	✓	69	✓	✓
56	✓	✓	70	✓	✓
57	✓	✓	71	✓	✓
58	✓	✓	72	✓	✓
59	✓	✓	73	✓	✓
60	✓	✓	74	✓	✓
61	✓	✓	75	✓	✓
62	✓	✓	76	✓	✓
63	✓	✓	77	✓	✓
64	✓	✓	78	✓	✓
65	✓	✓	79	✓	✓
66	✓	✓	80	✓	✓
67	✓	✓	81	✓	✓
68	✓	✓	82	✓	✓
69	✓	✓	83	✓	✓
70	✓	✓	84	✓	✓
71	✓	✓	85	✓	✓
72	✓	✓	86	✓	✓
73	✓	✓	87	✓	✓
74	✓	✓	88	✓	✓
75	✓	✓	89	✓	✓
76	✓	✓	90	✓	✓
77	✓	✓	91	✓	✓
78	✓	✓	92	✓	✓
79	✓	✓	93	✓	✓

☐ These items are for Purchase Order Contract only.

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS-STRUCTURES

CONSTRUCTION PLANS OF  
JOHN STREET CULVERT REPLACEMENT  
ON C.R. 3325 (LOCAL)  
OVER SMITH RUN  
LEWIS COUNTY

## GENERAL NOTES

DESTROY BY	4800
CLASS BY	15074
DESTROY BY	15074
REFNO BY	WFW
DATE	89-12
REASON	NONE
SHEET NO.	2 OF 28
BRIDGE NUMBER	
21-33/25-0.80	
(110951)	

ESTIMATE OF QUANTITIES			
PROJECT NO. 5321-33/75-0.79			
FOR INFORMATION ONLY			
DESCRIPTION	UNITS	NO. AND SIZE	TOTAL
CLASS B CONCRETE	CY		30
17IN. CONC. BOX BEAM (EXT.)	SF	2 @ 41' 6" LONG	249
17IN. CONC. BOX BEAMS (INT.)	SF	6 @ 41' 6" LONG	747
BENT REBAR	LB		1497
#5 REBAR STRAIGHT	LB	36 @ 20' 0"	751
#8 REBAR STRAIGHT	LB	35 @ 20' 0"	1069
1" POST TENSIONING BAR X 27' W/ONE NUT	EA	4 EA.	8
8" X 8" X 1" PLATES	LB		108
2" SPONGE RUBBER PREFORMED JOINT FILLER	EA	4 1/2" X 8 1/2"	14
2" SPONGE RUBBER PREFORMED JOINT FILLER	EA	4 1/2" X 6 1/2"	4
2" SPONGE RUBBER PREFORMED JOINT FILLER	EA	6 1/2" X 25' 0"	3
1" SPONGE RUBBER WASHER	EA	8" X 8" WITH 3 1/2" DIA. HOLE	35
BEARING PADS 1 1/4" X 4 1/2" X 15 1/2"	EA		4
BEARING PADS 1 1/4" X 4 1/2" X 28"	EA		14
SWEDGED ANCHOR BOLTS 1" DIA. X 2' 0"	EA		16
NON-SHRINK GROUT FOR JOINTS AND ANCHORS	BAG		111
BACKFILL POSTS	EA		2
GUARDRAIL INSERT AND HARDWARE	EA		12
BRIDGE GUARDRAIL (THRIE BEAM)	LF		75
CLASS 1 APPROACH GUARDRAIL	EA		100
ASYMMETRICAL THRIE BEAM TRANSITIONS	EA		4
H.M.A. BASE COURSE	TON		40
H.M.A. WEARING	TON		410
BASE STONE	LB	12 PCS. @ 20' 0"	15600
W/2X6S PILING	TONS		145
FOUNDATION PROTECTION MATERIAL	SY		540
FABRIC FOR SEPARATION	CY		30
CUT	CY		10
FILL	CT		30



1. INSTALL TRAFFIC CONTROL.
2. CLEAR AND GRUB.
3. PLACE STONE AND CONSTRUCT DETOUR.
4. CLOSE AND REMOVE EXISTING STRUCTURE.
5. EXCAVATE FOR ABUTMENTS, DRIVE PILING
6. FORM AND POUR ABUTMENTS.
7. PLACE FOUNDATION PROTECTION MATERIAL.
8. PLACE BEAMS, GROUT, AND POST TENSION.
9. FORM AND POUR BACKFILLS AND WALLS.
10. BACKFILL AND CONSTRUCT APPROACHES.
11. OPEN NEW STRUCTURE TO TRAFFIC.
12. SITE DRESS, SEED AND MULCH.
13. PLACE GUARDRAIL BY PURCHASE ORDER CONTRACT.
14. PAVE BY PURCHASE ORDER CONTRACT.

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EXISTING ELEVATION & DECK SECTION,  
SCOPE OF WORK & ESTIMATE OF QUANTITIES

PARCEL NO.	PLAN SHEET NO.	TITLE/HOLDER	RECORDED		TRACT NO.	AREA - SQUARE FEET (unless noted otherwise)							TOTAL TAKEN	PARCEL TOTAL	REMARKS	R/W DEED	H/C ORD
			DEED BOOK	PAGE NO.		C/A	NON-C/A	EASEMENT		HYDRAULIC		TOTAL				DEED BOOK	PAGE NO.
1-1	3	MULLOOLY MIRS AND OTHERS	514-554	628-188	1		2377					92.62 AC	0.05 AC	92.67 AC	TAX MAP 7-F, PARCEL 35		
1-2	3	MULLOOLY MIRS AND OTHERS	514-554	628-188	1		2209					4.52 AC	0.07 AC	4.59 AC	TAX MAP 7-F, PARCEL 35		
2	3	SAMUEL & THERESA A. DARBY	586	28	2		815	ICE	2750			4.59 AC	0.02 AC	4.61 AC	TAX MAP 7-F, PARCEL 43, TRACT H		
3	3	ORION DEVELOPMENT HYDRAULIC	598	676	2		769	ICE	2297			1.03 AC	0.02 AC	1.05 AC	TAX MAP 7-F, PARCEL 44		
					2			ICE	1108								
4	3	STATE OF N.V., DEPT. OF COMMERCE, DIV. OF NATURAL RESOURCES, OFFICE OF LAND AND STREAMS			1			PE	1285					1285 SF	SMITH MUN		

UTILITIES TABLE			
STATION	SHEET	DESCRIPTION	DISPOSITION
0+00 TO 3+00	3	NOV POWER	POSSIBLY DE-ENERGIZE LINE
0+00 TO 3+00	3	FRONTIER OF NV	NO ACTION NECESSARY
0+00 TO 3+00	3	NV AMERICAN WATER COMPANY	NO ACTION NECESSARY
0+00 TO 3+00	3	DOMINION HOPE	NO ACTION NECESSARY
0+00 TO 3+00	3	WESTON SANITARY BOARD	NO ACTION NECESSARY

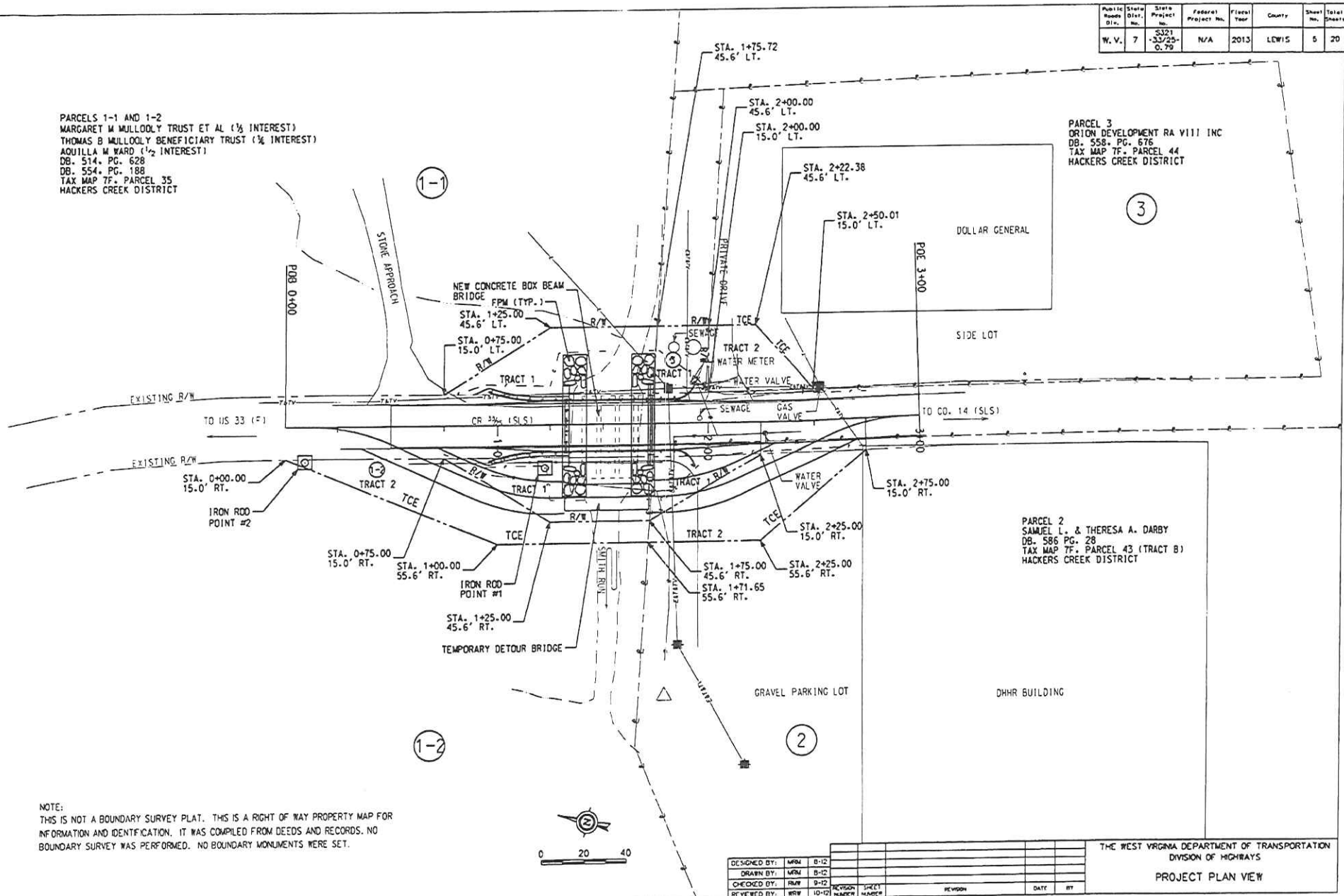
29

Public Roads Dist.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	7	3321- 33/25- 0.79	N/A	2013	LEWIS	5	20

PARCELS 1-1 AND 1-2  
MARGARET M MULLOOLY TRUST ET AL (1/3 INTEREST)  
THOMAS B MULLOOLY BENEFICIARY TRUST (1/3 INTEREST)  
AQUILLA M WARD (1/2 INTEREST)  
DB. 514. PG. 628  
DB. 554. PG. 188  
TAX MAP 7F. PARCEL 35  
HACKERS CREEK DISTRICT

PARCEL 3  
ORION DEVELOPMENT RA VIII INC  
DB. 558. PG. 676  
TAX MAP 7F. PARCEL 44  
HACKERS CREEK DISTRICT

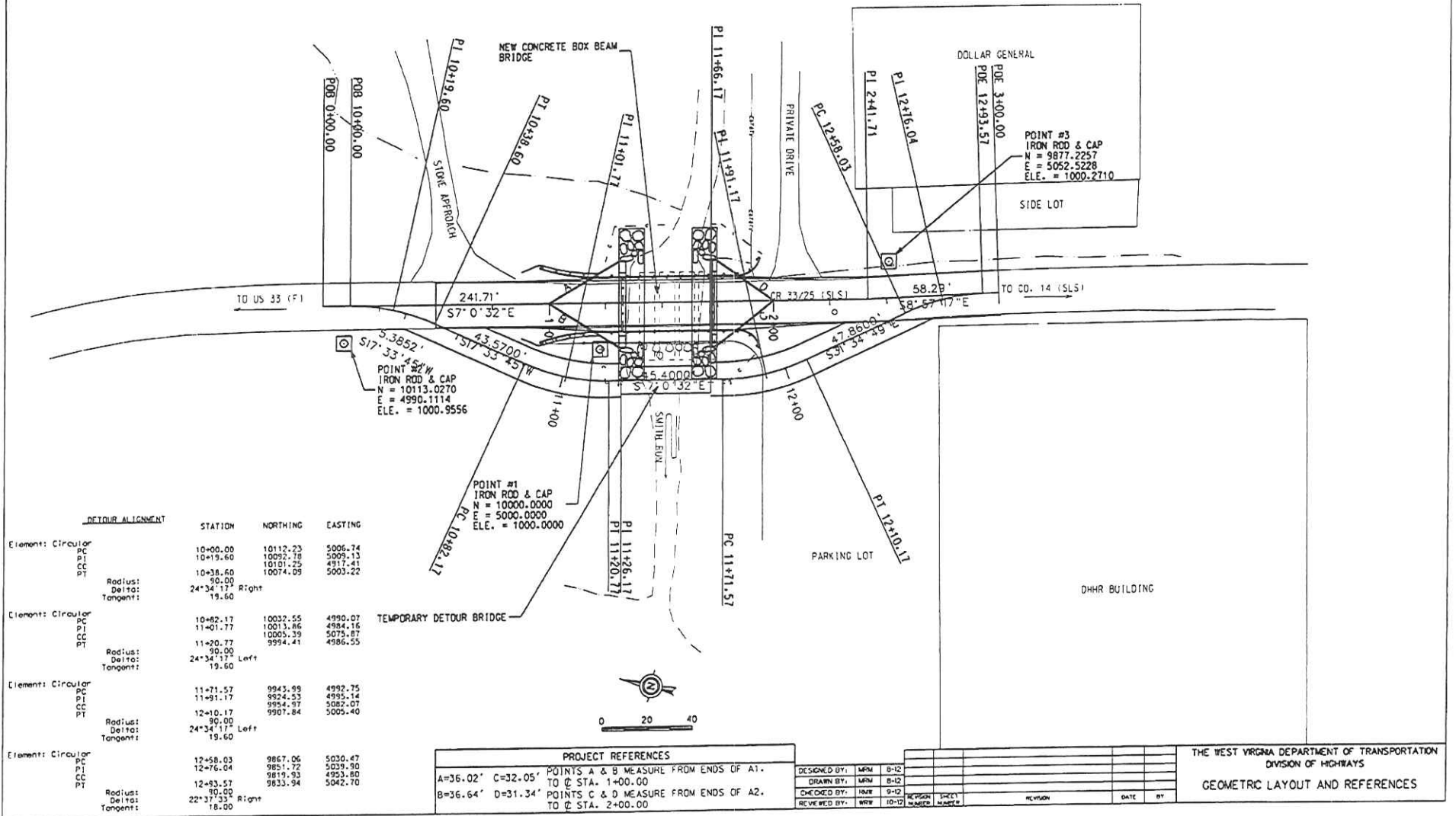
PARCEL 2  
SAMUEL L. & THERESA A. DARBY  
DB. 586 PG. 28  
TAX MAP 7F. PARCEL 43 (TRACT B)  
HACKERS CREEK DISTRICT



NOTE:  
THIS IS NOT A BOUNDARY SURVEY PLAT. THIS IS A RIGHT OF WAY PROPERTY MAP FOR  
INFORMATION AND IDENTIFICATION. IT WAS COMPILED FROM DEEDS AND RECORDS. NO  
BOUNDARY SURVEY WAS PERFORMED. NO BOUNDARY MONUMENTS WERE SET.

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
PROJECT PLAN VIEW

Public Route	State Dist.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V. 7	5321	33/25	N/A	2013	LEWIS	6	20
	0.79						



The diagram illustrates a vertical curve profile. The vertical axis represents ELEVATION (980 to 1020) and the horizontal axis represents STATION (10+00 to 13+00). The profile shows a 0.00% grade section from station 10+00 to 11+25, followed by a 50' 0" vertical sag curve with a -1.52% grade. Key points marked include PVI 11+75, PVI 12+00, and PVI 12+25. Elevation data points are provided for various stations along the curve.

Station	Elevation
10+00	1000.52
10+25	1000.52
10+50	1000.52
10+75	1000.07
11+00	1000.38
11+25	1000.52
11+50	995.59
11+75	1000.31
12+00	993.38
12+25	993.85
12+50	1000.14
12+75	1000.14
13+00	1000.14

VARIES

VARIES SEE CROSS SECTIONS

12'

4'-6"

1'-6"

SUPERELEVATION VARIES

2:1

2:1

TYPICAL C.R. 33/25 ROAD SECTION

NO SCALE

- |              |     |       |                |              |          |      |    |  |  |  |  |  |  |
|--------------|-----|-------|----------------|--------------|----------|------|----|--|--|--|--|--|--|
|              |     |       |                |              |          |      |    | THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION<br>DIVISION OF HIGHWAYS |  |  |  |  |  |
|              |     |       |                |              |          |      |    | PROFILES AND TYP. SECTIONS   |  |  |  |  |  |
|              |     |       |                |              |          |      |    |  |  |  |  |  |  |
| DESIGNED BY: | MW  | 8-12  |                |              |          |      |    |  |  |  |  |  |  |
| DRAWN BY:    | MW  | 8-12  |                |              |          |      |    |  |  |  |  |  |  |
| CHECKED BY:  | FWR | 9-12  |                |              |          |      |    |  |  |  |  |  |  |
| REVIEWED BY: | WAR | 10-12 | SECTION NUMBER | SHEET NUMBER | REVISION | DATE | BY |  |  |  |  |  |  |





**ELEVATION VIEW**

43' 8" OVERALL BRIDGE LENGTH  
 41' 6" OVERALL BEAM LENGTH  
 40' 0" @ BEARING TO @ BEARING  
 17" BOX BEAMS  
 C.R. 33/25 (SLS)  
 TO US 33 (SLS) AND WESTON  
 TO CR 14 (SLS) AND HORNER  
 SEE DETAIL A  
 010 ELE = 995.80'  
 1 1/2' (TYP.)  
 FRW THICKNESS = 2' 9"  
 D50 = 1.3'  
 W12X65 PILE DRIVEN TO REFUSAL (TYP.)  
 SCALE: 1" = 10'

	MINIMUM	MAXIMUM
D100	2.0	2.3
D85	1.6	1.9
D50	1.3	1.5
D15	0.5	0.8

**PROPOSED DECK SECTION**  
 (NO SCALE)

23' 11 1/4"  
 SEE SHEET 8 OF 20 FOR RAILING DETAILS  
 1 1/2" HMA WEARING COURSE  
 3/4" GAPS  
 24' 5 1/2"  
 8 - 17" CONCRETE BOX BEAMS

**STRUCTURE EXCAVATION DETAIL A**  
 (TYP. BOTH ABUTMENTS)  
 (NO SCALE)

WEARING SURFACE  
 BASE COURSE  
 BASE STONE  
 SELECT MATERIAL FOR BACKFILLING  
 1" 6"  
 1" PREFORMED JOINT FILLER  
 2 LAYERS OF 1" PREFORMED JOINT FILLER  
 HMA WEARING  
 17" BOX BEAMS  
 1 13/16" ELASTOMERIC BEARING PAD  
 1' 10"  
 LIMIT OF STRUCTURE EXCAVATION  
 W12X65 PILING  
 FOUNDATION PROTECTION MATERIAL

**HYDRAULIC DATA**

DESIGN FLOOD FREQUENCY: \_\_\_\_\_ 010  
 DESIGN DISCHARGE: \_\_\_\_\_ 580 CFS  
 EFFECTIVE WATERWAY AREA OF EXISTING STRUCTURE: \_\_\_\_\_ 99 SF  
 EFFECTIVE WATERWAY AREA OF NEW STRUCTURE: \_\_\_\_\_ 202.5 SF  
 ELEVATION AT BOTTOM OF EXISTING SUPERSTRUCTURE: \_\_\_\_\_ 991.63  
 ELEVATION AT BOTTOM OF NEW SUPERSTRUCTURE: \_\_\_\_\_ 999.03  
 LOW WATER ELEVATION: \_\_\_\_\_ 992.00  
 STREAM BED ELEVATION: \_\_\_\_\_ 991.63

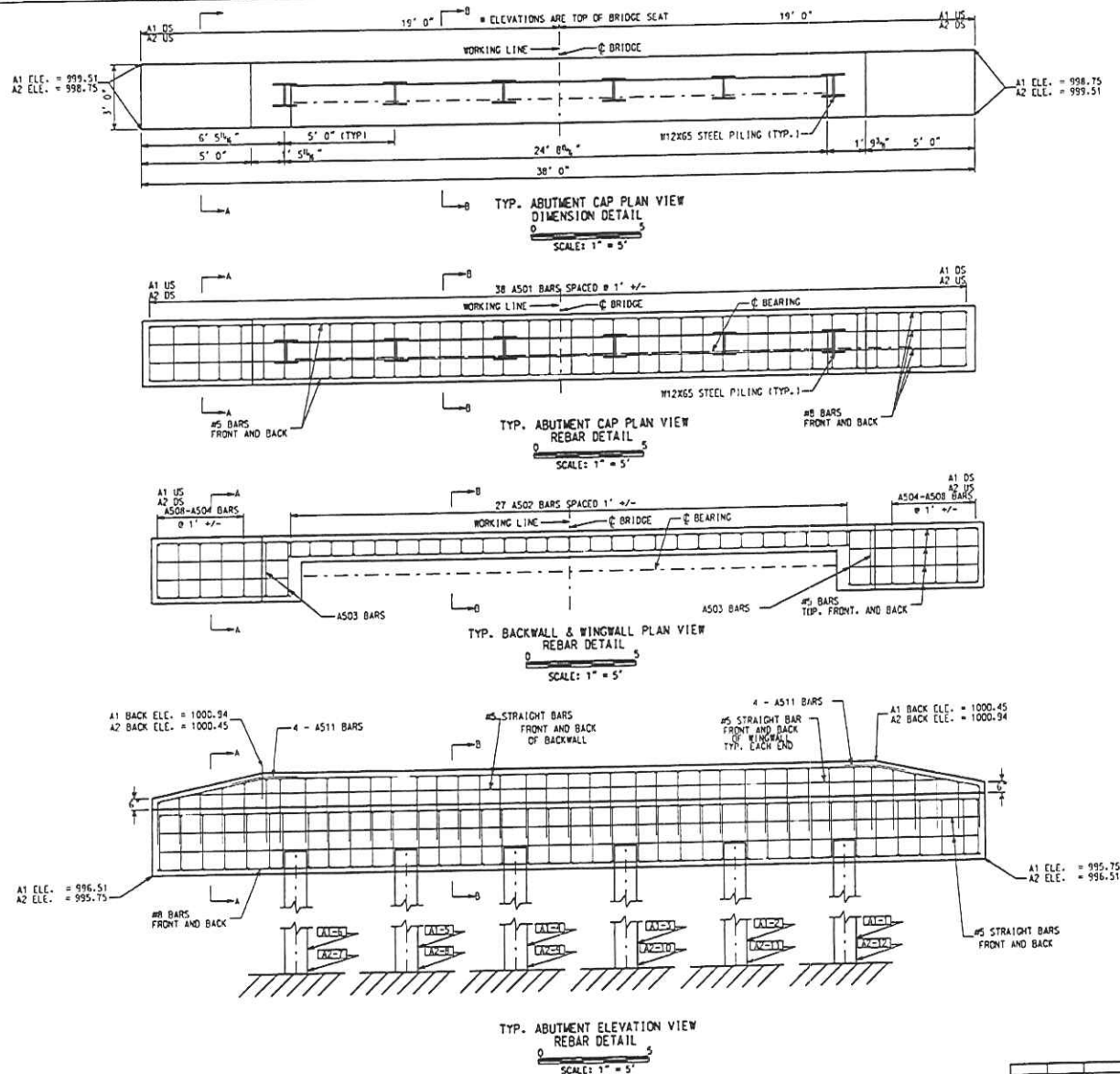
DESIGNED BY:	DATE:	CHECKED BY:	DATE:	REVIEWED BY:	DATE:	BY:
NRW	8-12	NRW	8-12	NRW	10-12	
NRW	8-12	NRW	9-12	NRW	10-12	
NRW	8-12	NRW	9-12	NRW	10-12	

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 ELEVATION VIEW, HYDRAULIC DATA,  
 STRUCTURE EXCAVATION,  
 PROPOSED DECK SECTION

PILE #	ABUTMENT ONE		
	NORTHING	EASTING	CUT OFF ELE.
A1-1	9994.2344	5033.2735	996.88
A1-2	9993.6243	5028.3109	996.38
A1-3	9993.0142	5023.3482	997.08
A1-4	9992.4041	5018.3856	997.18
A1-5	9991.7939	5013.4230	997.28
A1-6	9991.1838	5008.4603	997.38

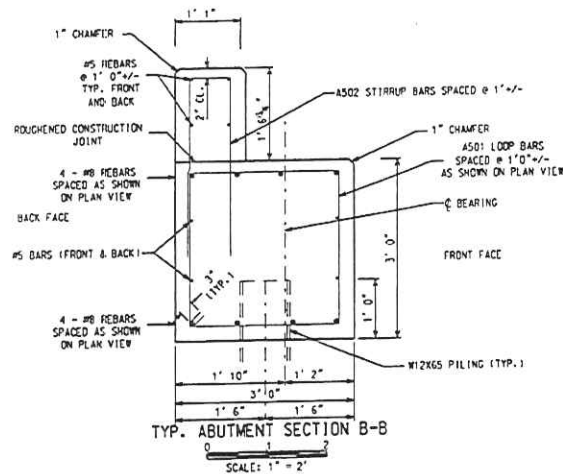
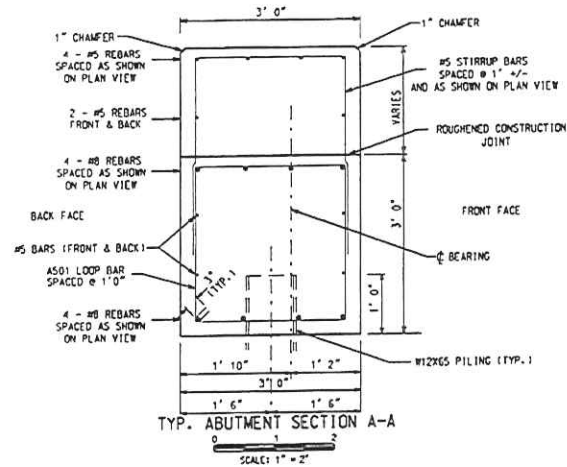
PILE #	ABUTMENT TWO		
	NORTHING	EASTING	CUT OFF ELE.
A2-7	9953.8752	5038.2652	996.88
A2-8	9953.2579	5033.2438	996.98
A2-9	9952.6514	5028.3105	997.08
A2-10	9952.0449	5023.3772	997.18
A2-11	9951.4276	5018.3559	997.28
A2-12	9950.8174	5013.3932	997.38

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
TYP. ABUTMENT DIMENSIONS, REBAR  
PLACEMENT PILING COORDINATES AND  
CUTOFF ELE.



DESIGNED BY:	MRW	8-12							
DRAWN BY:	MRW	8-12							
CHECKED BY:	RMW	9-12							
REVIEWED BY:	RRW	10-12	REVISION NUMBER	SHEET NUMBER OF	REVISION		DATE		BY

Project No.	State Route No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V. 7		337	N/A	2013	LCWIS	11	20

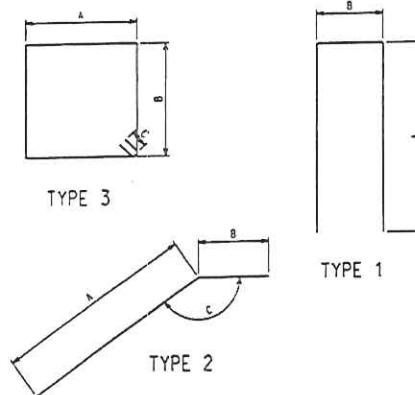


# REBAR SCHEDULES

MARK	TYPE	NO.	LOCATION	TOTAL LENGTH	DIMENSIONS	WEIGHT
AS01	3	76	ABUTMENT CAP LOOP BAR REINFORCEMENT	10' 6"	2' 6" 2' 6" 0' 3"	833
AS02	1	34	BACKWALL STIRRUP REINFORCEMENT	6' 9"	3' 1" 7"	381
AS03	1	8	WINDWALL STIRRUP BAR REINFORCEMENT	8' 8"	3' 1" 2' 6"	73
AS04				8' 6"	3' 0" 2' 6"	
	1	4 EA	WINDWALL STIRRUP BAR REINFORCEMENT		3' 1MC.	157
AS08				6' 6"	2' 0" 2' 6"	
AS09	2	16	BENT BAR FOR WINDWALL REINFORCEMENT	3' 2"	1' 7" 1' 5"	53
				TOTAL		1497

#5	STR.	36		20'				751
#5	STR.	35	ABUTMENT CAP REINFORCEMENT (TOP AND BOTTOM)	20'				1969

NOTES: -UNLESS OTHERWISE NOTED.  
-ALL CLEARANCES ARE 3".  
-LAP SPLICES AND ANCHORAGES ARE 15" FOR #5 BARS.  
-LAP SPLICES AND ANCHORAGES ARE 42" FOR #8 BARS.  
-HOLES SHALL BE FIELD CUT IN WEBS OF BEARING PILES TO ACCOMMODATE #8 BARS.



DESIGNED BY	CHECKED BY	DATE	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
PROFILES AND TYP. SECTIONS



STATE PROJECT NUMBER	FEDERAL PROJECT NUMBER	STATE DIST. NO.	COUNTY	SHEET NO.	TOTAL SHEETS
5321-33/75-0.79	N/A	7	LEWIS	13	20

MIN. CONCRETE STRENGTH @ RELEASE = 5500 PSI  
 MIN. CONCRETE STRENGTH @ 28 DAYS = 8000 PSI  
 INITIAL PULL/STRAND = 33,820 LBS  
 CROSS-SECTION AREA/STRAND = 0.167 SQ. IN.

DESIGN DATA FOR 17" DEPTH ADJACENT BOX BEAM												
SPAN LENGTH $\phi$ TO $\phi$ BEARING	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"	32'-0"	34'-0"	36'-0"	38'-0"	40'-0"	
OVERALL LENGTH OF BEAM	21'-0"	23'-0"	25'-0"	27'-0"	29'-0"	31'-0"	33'-0"	35'-0"	37'-0"	39'-0"	41'-0"	
NO. OF 270 KSI, 1/2" $\phi$ LOW-RELAXATION STRANDS, AREA/STRAND = 0.167 SQ. IN.	16	16	16	16	16	16	16	16	16	16	16	
STRAND POSITION NUMBER	ROW 1	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4
	ROW 2	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8
	ROW 3	9,10,11,12	9,10,11,12	9,10,11,12	9,10,11,12	9,10,11,12	9,10,11,12	9,10,11,12	9,10,11,12	9,10,11,12	9,10,11,12	9,10,11,12
	ROW 4	13,14,15,16	13,14,15,16	13,14,15,16	13,14,15,16	13,14,15,16	13,14,15,16	13,14,15,16	13,14,15,16	13,14,15,16	13,14,15,16	13,14,15,16
	ROW 5	17,18,19,20	17,18,19,20	17,18,19,20	17,18,19,20	17,18,19,20	17,18,19,20	17,18,19,20	17,18,19,20	17,18,19,20	17,18,19,20	17,18,19,20
PRESTRESSING FORCE IMMEDIATELY AFTER STRAND RELEASE, $P_{pi}$ , (KIPS/BEAM)	220	220	220	220	220	220	220	220	220	220	220	220
EFFECTIVE PRESTRESSING FORCE AFTER ALL LOSSES, $P_{pe}$ , (KIPS/BEAM)	220	220	220	220	220	220	220	220	220	220	220	220
REQUIRED FACTORED MOMENT $\phi$ STRENGTH $M_u$ (FT-KIPS/BEAM)	200	200	200	200	200	200	200	200	200	200	200	200
FACTORED FLEXURAL RESISTANCE, $M_r$ (FT-KIPS/BEAM)	200	200	200	200	200	200	200	200	200	200	200	200
TOTAL NO. DEBONDED STRANDS	16	16	16	16	16	16	16	16	16	16	16	16
DEBONDED STRAND POSITION NUMBER & SHIELDING LENGTH FROM EACH END	ROW 1	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4
	ROW 2	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8	5,6,7,8
NUMBER & LENGTH $\phi$ 4 ET TOP TENSION BARS @ EACH END	3 - 4"	3 - 4"	3 - 4"	3 - 4"	3 - 4"	3 - 4"	3 - 4"	3 - 4"	3 - 4"	3 - 4"	3 - 4"	3 - 4"
NUMBER & LENGTH $\phi$ 5 BT BOTTOM TENSION BARS @ EACH END	4 - 5"	4 - 5"	4 - 5"	4 - 5"	4 - 5"	4 - 5"	4 - 5"	4 - 5"	4 - 5"	4 - 5"	4 - 5"	4 - 5"
DESIGN CAMBER $\phi$ POSITIVE (UP) (INCHES)	$\phi$ RELEASE	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
	$\phi$ ERECTION	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
	$\phi$ FINAL	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
NUMBER & SPACING OF TL-2 GUARDRAIL INSERTS	NO OF INSERTS REQD.	1	1	1	1	1	1	1	1	1	1	1
	END OF BEAM TO $\phi$ OF FIRST INSERT (EA, END)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	$\phi$ OF 1st INSERT TO $\phi$ 2nd INSERT (EA, END)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT OF TYPICAL BEAM INCLUDING DIAPHRAGM (TONS)	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6

#### NOTES

1. BEAM WEIGHTS LISTED IN THE DESIGN TABLE ARE BASED ON ZERO SKEW, 2 FT. LONG ENDBLOCK AND DIAPHRAGMS SPACED @ 15 FT C/C. WEIGHTS FOR SKEWED BEAMS, LONGER ENDBLOCKS AND ADDITIONAL DIAPHRAGMS SHOULD BE ADJUSTED ACCORDINGLY.  
 FOR ADDITIONAL DIAPHRAGMS, ADD 135 LBS/DIAPHRAGM.  
 FOR SKEW ADD 17 LBS/DEGREE OF SKEW/END.  
 FOR LONGER ENDBLOCK, ADD 163 LBS/LF/END.
2. DESIGNERS SHOULD NOTE THAT DATA IN STANDARD TABLE IS BASED ON EVEN SPAN LENGTHS, A TWO LANE STRUCTURE @ BEAMS WIDE AND ZERO SKEW. SUPERIMPOSED DEAD LOADS INCLUDE TYPE F PARAPET (321 PLF) AND A FWS OF 50 PSF. FOR NON-STANDARD BRIDGES DATA SHOULD BE VERIFIED AND IF REQUIRED NEW DESIGN DATA ENTERED INTO BLANK COLUMNS. IN NO CASE SHALL THE STANDARD DESIGN TABLE BE ALTERED.
3. PREDICTED DESIGN CAMBER VALUES LISTED IN THE TABLE ARE BASED ON EMPIRICAL FORMULAS AND AS SUCH ARE APPROXIMATE. FOR MEMBERS WITH SPAN-TO-DEPTH RATIOS AT OR EXCEEDING 25, THE TOLERANCE VALUES LISTED IN APPENDIX B OF PCI MANUAL FOR QUALITY CONTROL, MN-116, MAY NOT APPLY.  
 MEASUREMENT OF CAMBER FOR COMPARISON TO PREDICTED DESIGN VALUES SHOULD BE COMPLETED WITHIN 72 HOURS OF RELEASE. ADDITIONALLY, CAMBER SHOULD BE EVALUATED UNDER CONDITIONS THAT MINIMIZE THE EFFECT OF TEMPERATURE VARIATION.

4. DESIGNER, FABRICATOR, AND ERECTOR SHALL BE AWARE THAT SKEWED END BEAMS MAY TWIST OR WARP, CAUSING UNEVEN BEAM SEATING AT THE BEARINGS. THE CONTRACTOR IS REQUIRED TO CORRECT AT THE TIME OF ERECTION, BEFORE THE BEAMS ARE SECURED IN PLACE. METHOD OF CORRECTION SHALL PROVIDE AN EVEN TOTAL BEARING AND A LEVEL TOP BEAM SURFACE. TOLERANCE, AFTER CORRECTION, SHALL BE  $\pm 1/8$  INCH. THE FABRICATOR SHALL NOTIFY THE CONTRACTOR AND DESIGNER IF CORRECTIONS ARE REQUIRED PRIOR TO SHIPMENT.
5. MAXIMUM BEAM SKEW SHALL BE 30 DEGREES.
6. DESIGNER INPUT VALUES OF NUMBER OF INSERTS, DISTANCE FROM END OF BEAM TO  $\phi$  FIRST INSERT, AND  $\phi$  FIRST INSERT TO  $\phi$  SECOND INSERT. ABOVE VALUES SHALL BE BASED ON THE REQUIRED 6'-3" GUARDRAIL POST SPACING ACROSS THE BRIDGE.
7. SPECIAL STRAND NOTE FOR 17" BOX SECTION ONLY: WHEN TL-2 GUARDRAIL INSERTS ARE REQUIRED THE BOTTOM INSERT (TYPE 2A ANCHOR) CONFLICTS WITH STRAND NO. 15. STRANDS 15 AND 16 HAVE BEEN MOVED TO POSITIONS 17 AND 18. FOR UNIFORMITY PURPOSES, ALL BEAMS OF THE SAME DESIGN SHALL USE SAME STRAND PATTERN.
8. THIS SHEET SHALL BE USED IN CONJUNCTION WITH STANDARD SHEETS BR-017A, BR-0100, BR-0101, BR-0102A & B, BR-0103, BR-0104, AND BR-0105A & B AS APPLICABLE.

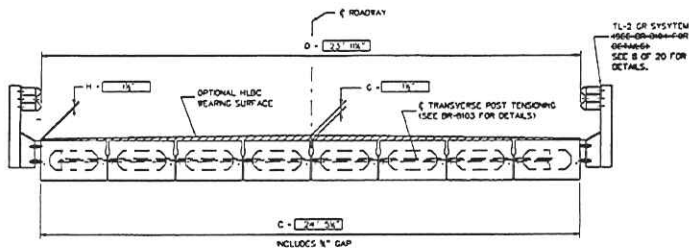
DESIGNED BY: MMW	CHECKED BY: MMW	REVIEWED BY: MMW	DATE: 8-13	SCALE:	SHEET NO 13 OF 20
BRIDGE NUMBER: 71-33/75-0.80 (100%)					

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS ENGINEERING DIVISION	
DESIGN TABLE FOR 17" PRESTRESSED BOX BEAM	

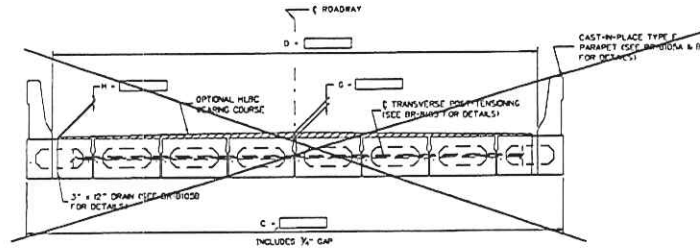




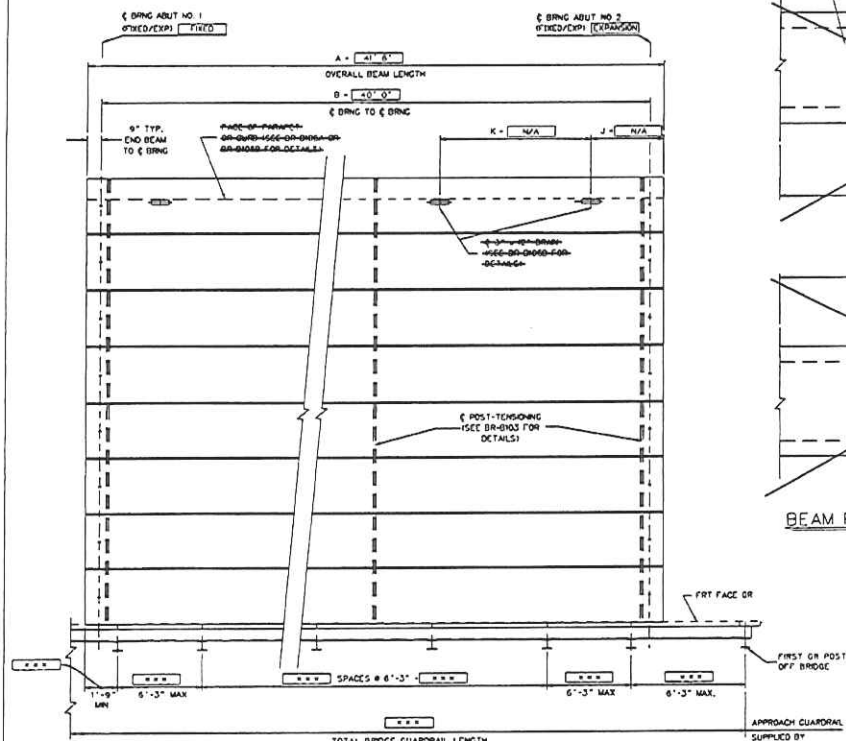




TYPICAL CROSS-SECTION WITH GUARDRAIL

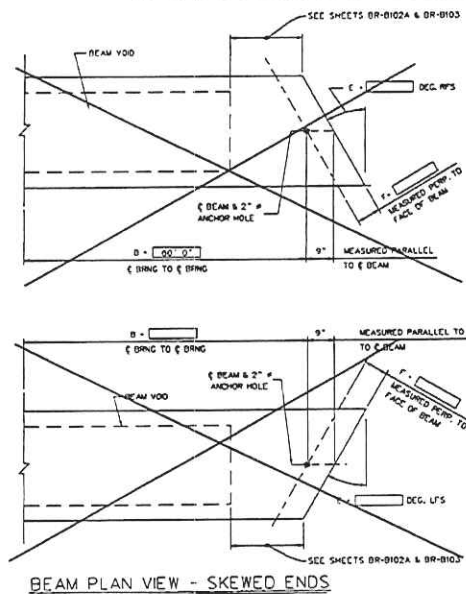


TYPICAL CROSS-SECTION WITH PARAPET OR CURB



\*\*\* SEE SHEET 8 OF 20 FOR DETAILS

DECK PLAN VIEW



BEAM PLAN VIEW - SKEWED ENDS

NOTES:

1. WHEN BRIDGE GUARDRAIL IS TO BE SUPPLIED BY THE BEAM FABRICATOR, COST OF ALL BRIDGE GUARDRAIL ITEMS TO INCLUDE POSTS, RAIL ELEMENTS, ATTACHMENT HARDWARE, AND MISCELLANEOUS ITEMS NEEDED TO COMPLETELY INSTALL BRIDGE GUARDRAIL SHALL BE INCLUDED IN ITEM 603010 "PRESTRESSED CONCRETE BOX BEAM."
2. THIS SHEET SHALL BE USED IN CONJUNCTION WITH STANDARD SHEETS BR-B17A & B THRU BR-B42A & B, BR-B100, BR-B102A & B, BR-B103, BR-B104, AND BR-B105.

ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
603010	PRESTRESSED CONCRETE BOX BEAM	LF	332

DESIGNED BY: T. J. L. / J. L.	DATE: 1-14-00
CHECKED BY: T. J. L. / J. L.	REVIEWED BY: J. L.
SCALE: NO SCALE	SHEET NO. 15 OF 20
BRIDGE NUMBER: 21-33/25-0.00 (110951)	

STANDARD SHEET BR-B101

STATE PROJECT NUMBER	FEDERAL PROJECT NUMBER	STATE DIST. NO.	COUNTY	SHEET NO.	TOTAL SHEETS
5321-33/25-0.79	N/A	7	LEWIS	15	20

CONTROL DIMENSIONS		CODE	VALUE
OVERALL BEAM LENGTH	A	41' 6"	
SPAN LENGTH, $\phi$ BEARING TO $\phi$ BEARING	B	40' 0"	
SUPERSTRUCTURE WIDTH - OUT TO OUT	C	24' 5 1/2"	
ROADWAY WIDTH - FACE OF PARAPET TO FACE OF PARAPET	D	23' 0"	
NUMBER OF BEAMS REQUIRED		8	
BEAM SIZE (WIDTH $\times$ DEPTH)		3' $\times$ 17"	
SKEW ANGLE (NORMAL, DEG. OF'S OR DEG. L'S)	E	0" HFS	
PERPENDICULAR DISTANCE FROM FACE OF BEAM TO $\phi$ BEARING	F	9"	
HLBC BEARING COURSE REQUIRED (YES/NO)		YES	
THICKNESS OF BEARING COURSE # $\phi$ OF DECK OR ROADWAY	G	1 1/2"	
THICKNESS OF BEARING COURSE # EDGE OF DECK OR PARAPET	H	1 1/2"	
TL-2 BRIDGE GUARDRAIL SYSTEM REQUIRED (YES/NO)		YES	
FABRICATOR TO SUPPLY TL-2 BRIDGE GUARDRAIL (YES/NO)		YES	
FABRICATOR TO INSTALL BRIDGE GUARDRAIL PRIOR TO SHIPMENT (YES/NO) IF NO, FABRICATOR TO SHIP LOOSE		YES	
NUMBER OF GUARDRAIL POST INSERTS REQUIRED PER SOC		6	
TYPE F PARAPET REQUIRED (YES/NO)		NO	
DRAINS REQUIRED (YES/NO)		NO	
NUMBER OF DRAINS REQUIRED PER SOC			
10" CURB REQUIRED (YES/NO)		NO	

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
ENGINEERING DIVISION

CONSTRUCTION PLANS OF  
JOHN STREET CULVERT REPLACEMENT  
ON C.R. 33/25 (SLS)  
OVER SMITH RUN  
LEWIS COUNTY

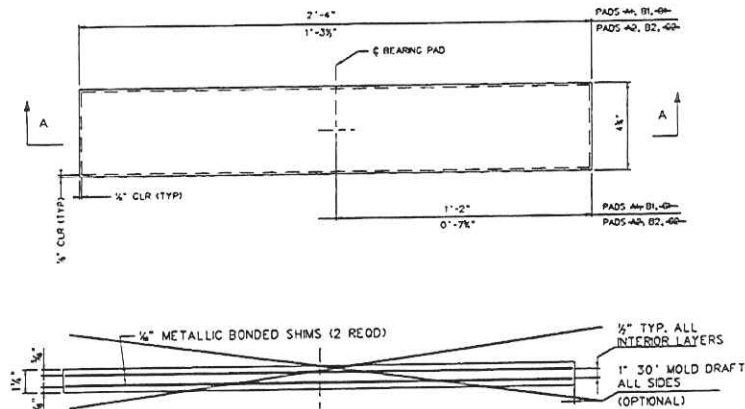
PRESTRESSED BOX BEAM  
SUPERSTRUCTURE LAYOUT

DESIGNED BY: T. J. L. / J. L.  
CHECKED BY: T. J. L. / J. L.  
REVIEWED BY: J. L.  
DATE: 6/12  
SCALE: NO SCALE  
SHEET NO. 15 OF 20

BRIDGE NUMBER:  
21-33/25-0.00  
(110951)

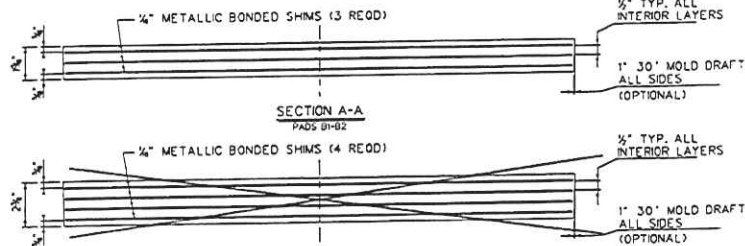


STATE PROJECT NUMBER	FEDERAL PROJECT NUMBER	STATE DIST. NO.	COUNTY	SHEET NO.	TOTAL SHEETS
5321-33/25-0.75	N/A	7	LEWIS	17	20



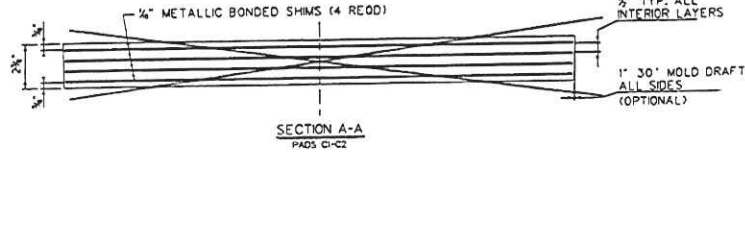
SECTION A-A

PADS AI-A2



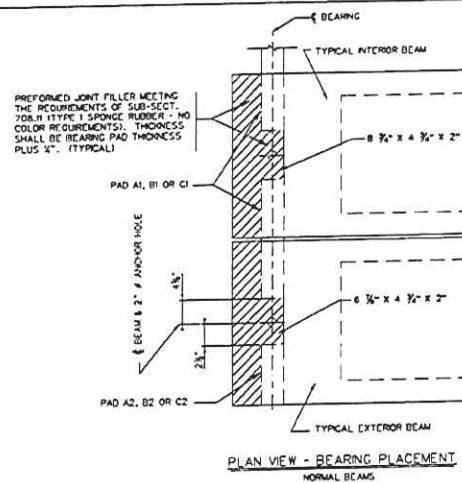
SECTION A-A

PAOS 01-02



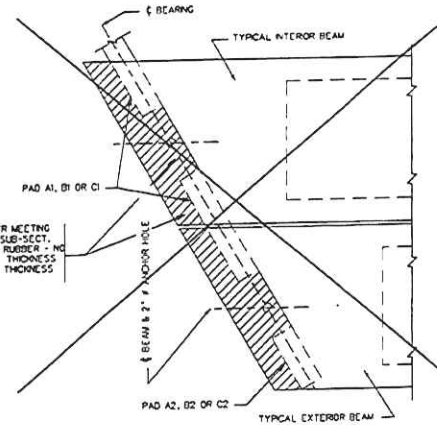
SECTION A-A

PAUS CFC-2



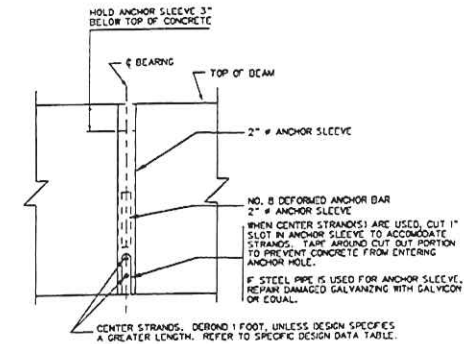
PLAN VIEW - BEARING PLACEMENT

### NORMAL BEAMS

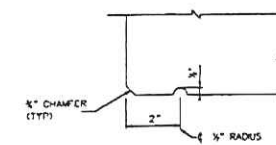


PLAN VIEW - BEARING PLACEMENT

SKINNED BEANS

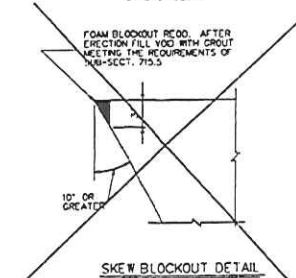


ANCHOR SLEEVE DETAIL



DRIP GROOVE DETAIL

EXTERIOR BEAMS



SKIEW BLOCKOUT DETAIL

NOTES:

- NOTES:**
1. ELASTOMERIC BEARING PADS ARE DESIGNED IN ACCORDANCE WITH DESIGN METHOD B CONTAINED IN SECTION 4.0 OF THE ASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. FABRICATION SHALL BE IN ACCORDANCE WITH SECTION 10.0 OF THE ASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS.
  2. ALL BEARINGS ARE DESIGNED FOR A LOW TEMPERATURE ZONE C AND SHALL HAVE A DURETOMETR HARDNESS OF 60. METALLIC REINFORCEMENT SHALL HAVE A MINIMUM YIELD STRENGTH OF 38 KSI.
  3. BEARING PADS ARE DESIGNED FOR ZERO BRIDGE DRIFT. FOR BRIDGE GRADES GREATER THAN 5 %, PADS SHALL BE SPECIFICALLY DESIGNED FOR THE GRADE. AS AN ALTERNATE, CAST-IN-PLACE BEVELED SLOE PLATES MAY BE USED.
  4. DESIGNER, FABRICATOR AND ERECTOR SHALL BE AWARE THAT SKEWED END BEAMS MAY TRYST TO BE BEARING ON THE BEARING. THE CONTRACTOR IS REQUIRED TO CORRECT THE BEAMS TO BE CORRECT AT THE TIME OF ERECTION, BEFORE THE BEAMS ARE SECURED IN PLACE. METHOD OF CORRECTION SHALL PROVIDE AN EVEN, FULL CONTACT SURFACE. THE CONTRACTOR SHALL OBTAIN CLEARANCE FROM THE DESIGNER BEFORE ANY CORRECTIONS ARE MADE. THE FABRICATOR SHALL NOTIFY THE CONTRACTOR AND DESIGNER IF CORRECTIONS ARE REQUIRED PRIOR TO SHIPMENT.
  5. FOR BEAMS WITH STEPPED ENDS: USE PADS #42, #44, #46, #48, #50, #52, #54, #56, #58, #60, #62, #64, #66, #68, #70, #72, #74, #76, #78, #80, #82, #84, #86, #88, #90, #92, #94, #96, #98, #100, #102, #104, #106, #108, #110, #112, #114, #116, #118, #120, #122, #124, #126, #128, #130, #132, #134, #136, #138, #140, #142, #144, #146, #148, #150, #152, #154, #156, #158, #160, #162, #164, #166, #168, #170, #172, #174, #176, #178, #180, #182, #184, #186, #188, #190, #192, #194, #196, #198, #200, #202, #204, #206, #208, #210, #212, #214, #216, #218, #220, #222, #224, #226, #228, #230, #232, #234, #236, #238, #240, #242, #244, #246, #248, #250, #252, #254, #256, #258, #260, #262, #264, #266, #268, #270, #272, #274, #276, #278, #280, #282, #284, #286, #288, #290, #292, #294, #296, #298, #300, #302, #304, #306, #308, #310, #312, #314, #316, #318, #320, #322, #324, #326, #328, #330, #332, #334, #336, #338, #340, #342, #344, #346, #348, #350, #352, #354, #356, #358, #360, #362, #364, #366, #368, #370, #372, #374, #376, #378, #380, #382, #384, #386, #388, #390, #392, #394, #396, #398, #400, #402, #404, #406, #408, #410, #412, #414, #416, #418, #420, #422, #424, #426, #428, #430, #432, #434, #436, #438, #440, #442, #444, #446, #448, #450, #452, #454, #456, #458, #460, #462, #464, #466, #468, #470, #472, #474, #476, #478, #480, #482, #484, #486, #488, #490, #492, #494, #496, #498, #500, #502, #504, #506, #508, #510, #512, #514, #516, #518, #520, #522, #524, #526, #528, #530, #532, #534, #536, #538, #540, #542, #544, #546, #548, #550, #552, #554, #556, #558, #560, #562, #564, #566, #568, #570, #572, #574, #576, #578, #580, #582, #584, #586, #588, #590, #592, #594, #596, #598, #600, #602, #604, #606, #608, #610, #612, #614, #616, #618, #620, #622, #624, #626, #628, #630, #632, #634, #636, #638, #640, #642, #644, #646, #648, #650, #652, #654, #656, #658, #660, #662, #664, #666, #668, #670, #672, #674, #676, #678, #680, #682, #684, #686, #688, #690, #692, #694, #696, #698, #700, #702, #704, #706, #708, #710, #712, #714, #716, #718, #720, #722, #724, #726, #728, #730, #732, #734, #736, #738, #740, #742, #744, #746, #748, #750, #752, #754, #756, #758, #760, #762, #764, #766, #768, #770, #772, #774, #776, #778, #780, #782, #784, #786, #788, #790, #792, #794, #796, #798, #800, #802, #804, #806, #808, #810, #812, #814, #816, #818, #820, #822, #824, #826, #828, #830, #832, #834, #836, #838, #840, #842, #844, #846, #848, #850, #852, #854, #856, #858, #860, #862, #864, #866, #868, #870, #872, #874, #876, #878, #880, #882, #884, #886, #888, #890, #892, #894, #896, #898, #900, #902, #904, #906, #908, #910, #912, #914, #916, #918, #920, #922, #924, #926, #928, #930, #932, #934, #936, #938, #940, #942, #944, #946, #948, #950, #952, #954, #956, #958, #960, #962, #964, #966, #968, #970, #972, #974, #976, #978, #980, #982, #984, #986, #988, #990, #992, #994, #996, #998, #1000, #1002, #1004, #1006, #1008, #1010, #1012, #1014, #1016, #1018, #1020, #1022, #1024, #1026, #1028, #1030, #1032, #1034, #1036, #1038, #1040, #1042, #1044, #1046, #1048, #1050, #1052, #1054, #1056, #1058, #1060, #1062, #1064, #1066, #1068, #1070, #1072, #1074, #1076, #1078, #1080, #1082, #1084, #1086, #1088, #1090, #1092, #1094, #1096, #1098, #1100, #1102, #1104, #1106, #1108, #1110, #1112, #1114, #1116, #1118, #1120, #1122, #1124, #1126, #1128, #1130, #1132, #1134, #1136, #1138, #1140, #1142, #1144, #1146, #1148, #1150, #1152, #1154, #1156, #1158, #1160, #1162, #1164, #1166, #1168, #1170, #1172, #1174, #1176, #1178, #1180, #1182, #1184, #1186, #1188, #1190, #1192, #1194, #1196, #1198, #1200, #1202, #1204, #1206, #1208, #1210, #1212, #1214, #1216, #1218, #1220, #1222, #1224, #1226, #1228, #1230, #1232, #1234, #1236, #1238, #1240, #1242, #1244, #1246, #1248, #1250, #1252, #1254, #1256, #1258, #1260, #1262, #1264, #1266, #1268, #1270, #1272, #1274, #1276, #1278, #1280, #1282, #1284, #1286, #1288, #1290, #1292, #1294, #1296, #1298, #1300, #1302, #1304, #1306, #1308, #1310, #1312, #1314, #1316, #1318, #1320, #1322, #1324, #1326, #1328, #1330, #1332, #1334, #1336, #1338, #1340, #1342, #1344, #1346, #1348, #1350, #1352, #1354, #1356, #1358, #1360, #1362, #1364, #1366, #1368, #1370, #1372, #1374, #1376, #1378, #1380, #1382, #1384, #1386, #1388, #1390, #1392, #1394, #1396, #1398, #1400, #1402, #1404, #1406, #1408, #1410, #1412, #1414, #1416, #1418, #1420, #1422, #1424, #1426, #1428, #1430, #1432, #1434, #1436, #1438, #1440, #1442, #1444, #1446, #1448, #1450, #1452

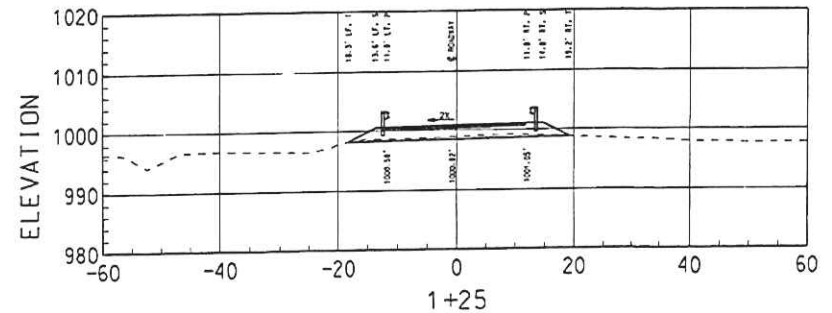
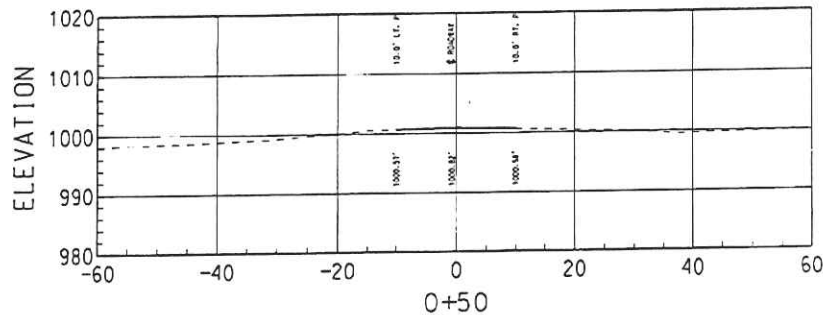
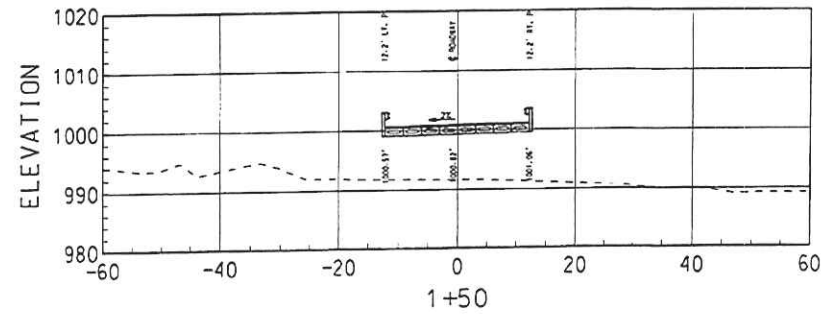
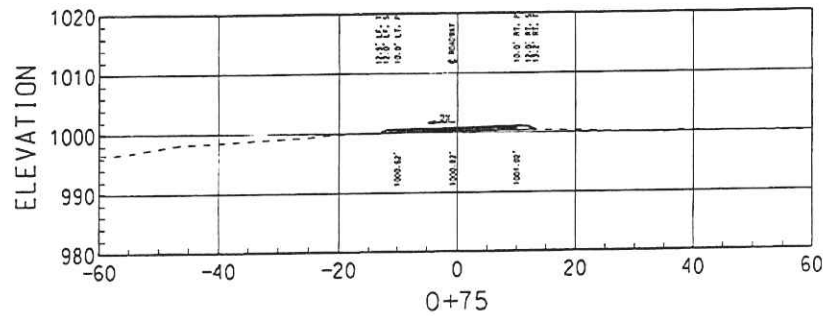
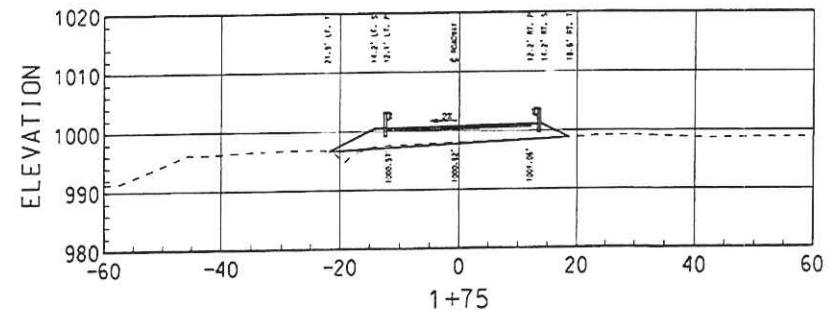
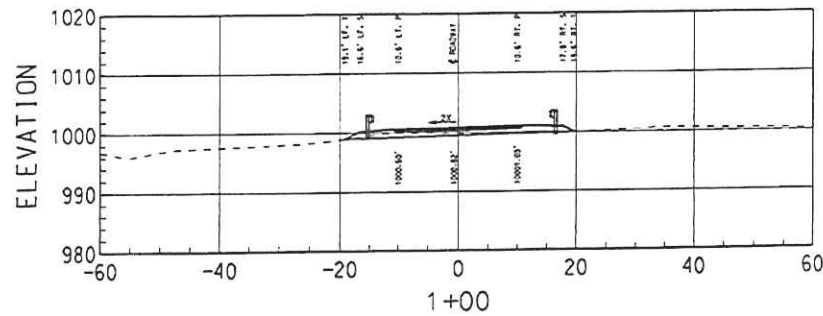
PAD	LENGTH	WIDTH	HEIGHT	NO. STUDS	SHW SIZE	SPAN RANGES	MAXIMUM REACTION	MAXIMUM MOVEMENT ONE DIRECTION
A1	48"	50"	14"	2	$\frac{3}{8}$ " x $\frac{43}{8}$ " x 2 - 3%	20' - 50'	55 KIPS	0.50"
B1	48"	28"	14"	3	$\frac{3}{8}$ " x $\frac{43}{8}$ " x 2 - 3%	40' - 78'	75 KIPS	0.80"
C1	48"	28"	2 1/2"	2	$\frac{3}{8}$ " x $\frac{43}{8}$ " x 2 - 3%	80' - 100'	84 KIPS	1.02"
A2	48"	50"	14"	2	$\frac{3}{8}$ " x $\frac{43}{8}$ " x 1 - 3%	20' - 50'	28 KIPS	0.33"
B2	48"	15 1/2"	14"	3	$\frac{3}{8}$ " x $\frac{43}{8}$ " x 1 1/2 - 3%	40' - 78'	38 KIPS	0.80"
C2	48"	15 1/2"	2 1/2"	2	$\frac{3}{8}$ " x $\frac{43}{8}$ " x 1 - 3%	80' - 100'	44 KIPS	0.82"

PROJECT: WEST WICHITA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS ENGINEERING DIVISION		SHEET NO. 1-14-05	
PRESTRESSED CONCRETE BEAM ELASTOMERIC BEARING PAD DETAILS MSC. DESIGN AND ASSEMBLY DETAILS		DATE: 6-05	
STANDARD SHEET BR-B102B			

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION	
DIVISION OF HIGHWAYS	
ENGINEERING DIVISION	
CONSTRUCTION PLANS OF	
JOHN STREET CULVERT REPLACEMENT	
ON C.R. 33/25 (SLS)	
OVER SMITH RUN	
LEWIS COUNTY	
DESIGNED BY: MR. LRP	
DRAWN BY: MR. LRP	
CHECKED BY: MR. GFL	
APPROVED BY: WWW	
DATE: 6/12	
SCALE: NO SCALE	
SHEET NO. 17 OF 20	
PROJECT NUMBER:	
71-33(25)-0.80	
(10/95)	
PRESTRESSED CONCRETE BEAM	
ELASTOMERIC BEARING PAD DETAILS	
MISC. DESIGN AND ASSEMBLY DETAILS	



Public Route	State Dist.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V. 7	7	5301 33/25 0.79	N/A	2013	LEWIS	19	20

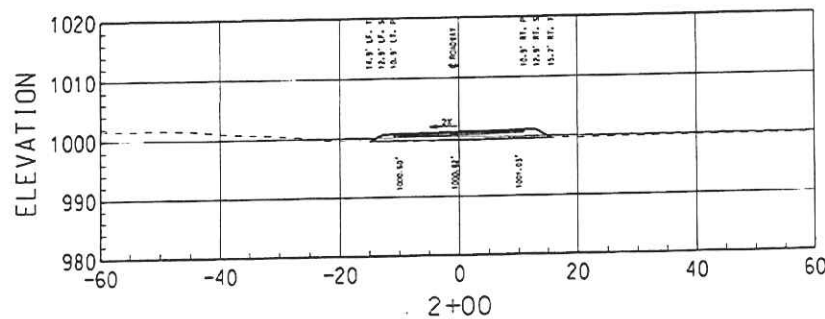
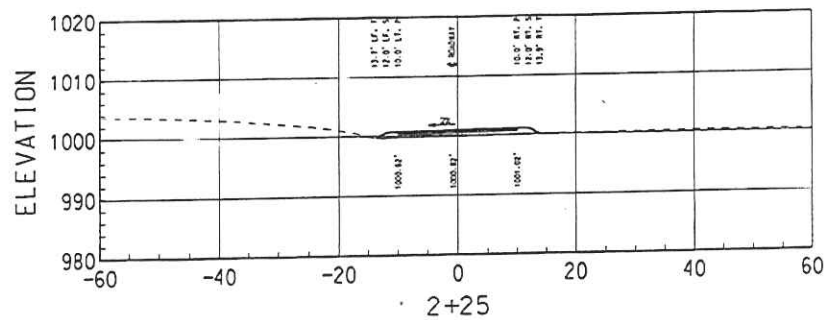
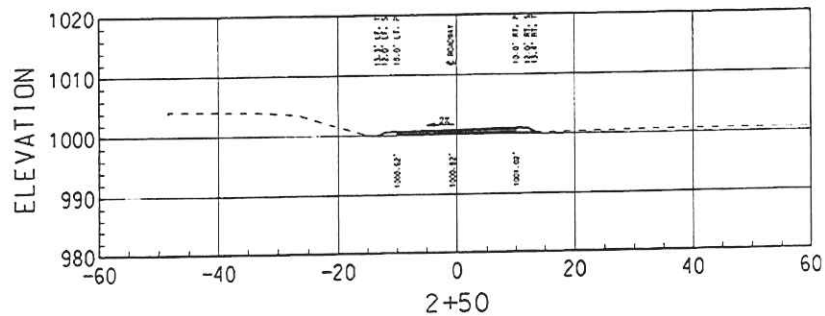


NOTES:  
UNLESS OTHERWISE NOTED ALL SLOPES ARE 2:1  
P. - PAYMENT  
S. - EDGE OF SHOULDER  
D. - EDGE OF DITCH  
T. - TOE OF SLOPE

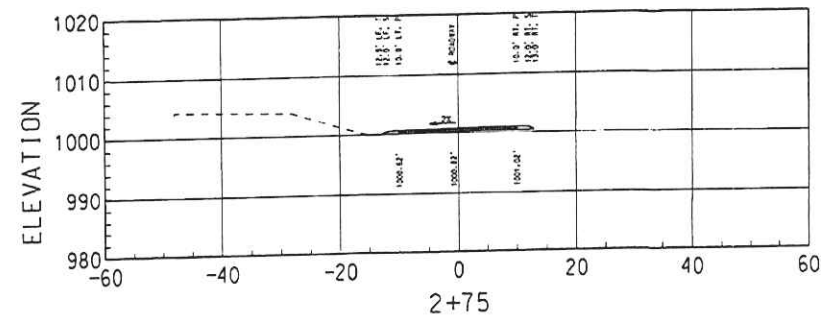
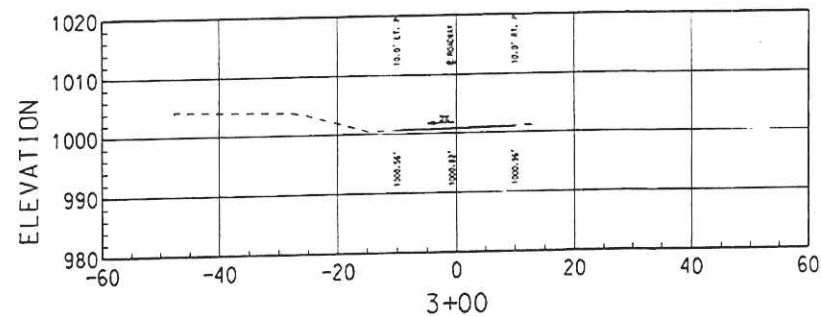
DESIGNED BY:	WV 8-12	REVISION	DATE	BY
DRAWN BY:	WV 8-12			
CHECKED BY:	WV 9-12			
REVIEWED BY:	WV 10-12			

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
C.R. 33/25 CROSS SECTIONS

Public Roads Dist.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	7	5321 33/25 0.79	N/A	2013	LEWIS	20	20




NOTES:  
UNLESS OTHERWISE NOTED ALL SLOPES ARE 2:1  
P. - PAVEMENT  
S. - EDGE OF SHOULDER  
D. - EDGE OF DITCH  
T. - TOE OF SLOPE



DESIGNED BY:	MMW	8-12
DRAWN BY:	MMW	8-12
CHECKED BY:	MMW	9-12
REVIEWED BY:	MMW	10-12

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
C.R. 33/25 CROSS SECTIONS

Pricing Page					
RFQ#: 07130866					
Item Number	Quantity	Unit of Measure	Description	Unit Cost	Total
1	747	Square Feet	17 inch Box Beams (Interior) 6 pieces - 3 feet 0 inches X 41 feet 6 inches		\$ -
2	249	Square Feet	17 inch Box Beams (Exterior) 2 pieces - 3 feet 0 inches X 41 feet 6 inches		\$ -
3	4	Each	Elastomeric laminated bearing pads (B-2) 1-13/16 inch X 4-3/4 inches X 15-1/2 inches		\$ -
4	14	Each	Elastomeric laminated bearing pads (B-1) 1-13/16" X 4-3/4 inches X 28 inches		\$ -
5	16	Each	Swedged anchor bolt or #8 deformed rebar 1 inch X 2 feet 0 inches		\$ -
6	27.6	Each	2 inch thick sponge rubber preformed joint filler 6-5/8 inches X 25 feet 0 inches		\$ -
7	4	Each	2 inch thick sponge rubber preformed joint filler 6-7/8 inches X 4-3/4 inches		\$ -
8	14	Each	2 inch thick sponge rubber preformed joint filler 8-3/4 inches X 4-3/4 inches		\$ -
9	75	Square Feet	Bridge Rail including inserts, hardware, posts, and guardrail (see plans for detail)		\$ -
10	35	Linear Feet	Sponge rubber washer with 3-1/2 inch hole 8 inches X 8 inches X 1 inch thick		\$ -
11	10	Each	Post tension bearing plate 9 inches X 9 inches X 1 inch thick		\$ -
12	108	Linear Feet	1 inch post tension bar with nuts 4 each - 27 feet 0 inches		\$ -
13	4	Linear Feet	6 feet 3 inches Asymmetrical Thrie beam transition section (Supplied but not attached)		\$ -
<b>Grand Total</b>					\$ -



## State of West Virginia

# VENDOR PREFERENCE CERTIFICATE

Certification and application\* is hereby made for Preference in accordance with **West Virginia Code**, §5A-3-37. (Does not apply to construction contracts). **West Virginia Code**, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. **Application is made for 2.5% resident vendor preference for the reason checked:**  
☐ Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,  
☐ Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or** 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,  
☐ Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or**,
2. **Application is made for 2.5% resident vendor preference for the reason checked:**  
☐ Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,
3. **Application is made for 2.5% resident vendor preference for the reason checked:**  
☐ Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,
4. **Application is made for 5% resident vendor preference for the reason checked:**  
☐ Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or**,
5. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
☐ Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or**,
6. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
☐ Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
7. **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules.**  
☐ Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

RFQ No. \_\_\_\_\_

STATE OF WEST VIRGINIA  
Purchasing Division

# **PURCHASING AFFIDAVIT**

**MANDATE:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

**"Debt"** means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"Related party"** means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

State of \_\_\_\_\_

County of \_\_\_\_\_, to-wit:

Taken, subscribed, and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

My Commission expires \_\_\_\_\_, 20\_\_\_\_.

**AFFIX SEAL HERE**

**NOTARY PUBLIC** \_\_\_\_\_

*Purchasing Affidavit (Revised 07/01/2012)*

**NOTE:**

**Vendor and Notary's date must be the same.**

**Notary required to AFFIX SEAL on Purchasing Affidavit.**