

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 <u> 804 - 558 - 2402</u>

| 40.000  |  |
|---------|--|
|         |  |
|         |  |
|         |  |
|         |  |
|         |  |
|         |  |
|         |  |
|         |  |
| - N - 1 |  |
| 111     |  |
|         |  |
| -17     |  |
|         |  |
|         |  |
|         |  |
| - 22    |  |
|         |  |
|         |  |

2 ENERNY

\*709042451 304-425-8955 EASTERN VAULT COMPANY INC PO BOX 1134

PRINCETON WV 24740

DIVISION OF HIGHWAYS JOBSITE SEE SPECIFICATIONS

DATE PRINTED 03/07/2013 BID OPENING DATE: 1:30PM BID OPENING TIME CAT LINE QUANTITY UOP ITEM NUMBER UNIT PRICE AMOUNT D001 LS 210-16 \$56,611.00 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 # \$321-33/25-.079 PER THE ATTACHED SPECIFICATIONS. 11.00 *عا5*\$ IS THE END OF REQ THIS 07130866 \*\*\*\*\* TOTAL: 03/25/13 09:36:17 AM \*West Virginia Purchasing Division

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

55-0520255

TELEPHONE 304-125-8955

3-18-13

### **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. | PF | REB        | ID MEETING: The item identified below shall apply to this Solicitation.       |
|----|----|------------|---|
|    | [🗸 | <b>/</b> ] | 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.

| [  | 1          | 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 writter notice of Vendor's desire to terminate this Contract 30 days prior to the expiration of the ther 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. |
| [, | <b>/</b> 1 | Fixed Period Contract: This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within 60 working days.   |
| [  | J          | 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.   |
| ī  | 3          | 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 of 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.

| [         | ]                                |                                 | ORMA<br>amount                            | NCE BOND: The apparent successful Vendor shall provide a performance bond of . The performance bond must be   |
|-----------|----------------------------------|---------------------------------|---|---|
|           |                                  |                                 |   | ceived by the Purchasing Division prior to Contract award. On construction  |
|           |                                  | contrac                         | ets, the                                  | performance bond must be 100% of the Contract value.  |
|           | 1                                | labor/n                         | naterial                                  | <b>FERIAL PAYMENT BOND:</b> The apparent successful Vendor shall provide a payment bond in the amount of 100% of the Contract value. The labor/material must be issued and delivered to the Purchasing Division prior to Contract award.  |
| or<br>sai | rtific<br>irrev<br>ne :<br>oor/r | ed check<br>vocable<br>schedule | cs, cash<br>letter o<br>e as the<br>payme | id, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide ier's checks, or irrevocable letters of credit. Any certified check, cashier's check, foredit provided in lieu of a bond must be of the same amount and delivered on the bond it replaces. A letter of credit submitted in lieu of a performance and not bond will only be allowed for projects under \$100,000. Personal or business able. |
| [         | ]                                | mainte                          | nance l                                   | NCE BOND: The apparent successful Vendor shall provide a two (2) year cond covering the roofing system. The maintenance bond must be issued and the Purchasing Division prior to Contract award.  |
|           | ]                                |                                 |   | COMPENSATION INSURANCE: The apparent successful Vendor shall have orkers' compensation insurance and shall provide proof thereof upon request.  |
| [         | 1                                |                                 |   | E: The apparent successful Vendor shall furnish proof of the following insurance act award:   |
|           |                                  | [                               | ]   | Commercial General Liability Insurance: or more.  |
|           |                                  | ĺ                               | ]   | Builders Risk Insurance: builders risk – all risk insurance in an amount equal to 100% of the amount of the Contract.   |
|           |                                  | [                               | ]   |   |
|           |                                  | [                               | ]   |   |
|           |                                  | ٠ [                             | ]   |   |
|           |                                  | [                               | ]   |   |
|           |                                  | [                               | ]   |   |

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

|   | ntitled Licensing, of the General Terms and Conditions, the apparent successful Vendonish proof of the following licenses, certifications, and/or permits prior to Contractions. |
|---|--|
|   | a form acceptable to the Purchasing Division.  |
| [ |  |
| [ |  |
| [ |  |
| ſ |  |

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

pursue any other available remedy.

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.

| JOUIDATED DAMAGES: Vendor shall p<br>2% of the contract total, assessed daily, | ay li<br>lfor | quidated damages in the amount delivery delays over 60 working days |  |
|--|---------------|---|--|
|  |               | e and shall not limit the State or Agency's right to                |  |

- 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 Şδ 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 <a href="http://www.state.wv.us/admin/purchase/vrc/hipaa.html">http://www.state.wv.us/admin/purchase/vrc/hipaa.html</a> 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 <a href="http://www.gpo.gov/fdsys/pkg/FR-2013-01-25/pdf/2013-01073.pdf">http://www.gpo.gov/fdsys/pkg/FR-2013-01-25/pdf/2013-01073.pdf</a>. 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 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 <a href="http://www.state.wv.us/admin/purchase/privacy/default.html">http://www.state.wv.us/admin/purchase/privacy/default.html</a>.
- 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 nondiclosure 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 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 <a href="mailto:purchasing.requisitions@wv.gov">purchasing.requisitions@wv.gov</a>.
- 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 heath, 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.

| EASTERN,                     | VAULT Co., INC |         |
|------------------------------|----------------|---------|
| (Company)                    |                |         |
|                              | RUBLE, GENERAL | MANAGER |
| (Representative Name, Title) |                |         |
| 304-425-8955                 | 304-425-1171   |         |
| (Phone Number)               | (Fax Number)   |         |
| 3-18-13                      |                |         |
| (Date)                       | <del></del>    |         |

# 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) [ ] Addendum No. 1 [ ] Addendum No. 6 [ ] Addendum No. 2 [ ] Addendum No. 7 [ ] Addendum No. 3 [ - ] Addendum No. 8 [ ] Addendum No. 4 [ ] Addendum No. 9

Addendum No. 5

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.

Addendum No. 10

EAST ERN VAULT CO., TWC.

Company

Authorized Signature

3-13-13

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.

### 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 <u>4 each.</u> 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.

### 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 cach. 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

### 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.

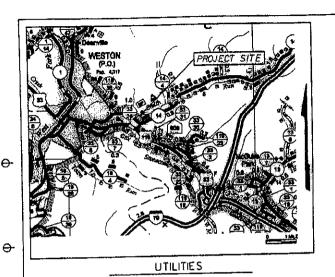
### 5. PAYMENT:

**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.

- 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.

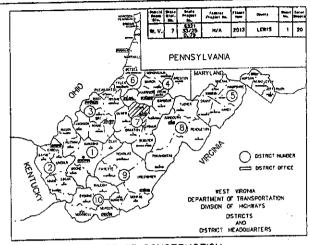


WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR CONSTRUCTION

JOHN STREET CULVERT REPLACEMENT

STATE PROJECT NO. \$321-33/25-0.79 COUNTY ROUTE NO. 33/25 FREEMANS CREEK DISTRICT LEWIS COUNTY

|          | Stat lan                                  |    | Station                                | _   | 11.    |   | mile(s)                 |
|----------|---|----|--|-----|--------|---|-------------------------|
| Rr i dos | 0 - 50 - 00<br>1 - 30 - 96<br>1 - 74 - 63 | 10 | 1 • 30, 96<br>1 • 74, 63<br>3 • 00, 00 | :   | 00, 10 | : | 0.015<br>0.008<br>0.024 |
|          | Total                                     | Pr | ojeci Lang                             | h • | 250.00 | • | 0.047                   |



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

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

> CONVENTIONAL SIGNS - STATE LINE

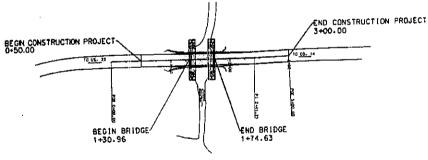
COUNTY UNE CORPORATION LINE PROPOSED RIVE & CASEMENT LINE

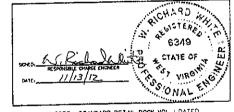
EXISTING R/W LINE

TELEPHONE POLE POWER POLE COMMED POWER AND TELEPHONE POLE

RIGHT OF BAY HARICER

RAIL ROAD





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

| DESCRIPTION   |                                       |                        |               |    |
|---|---------------------------------------|------------------------|---------------|----|
| <u> </u>  | <del> </del>                          |                        |               |    |
| OTES<br>ELEVATION: A. DEGO SECTION, SCOPE             | <u> </u>                              |                        |               | _  |
| ESTITUTE OF CHANGESTES                                |                                       |                        |               | _  |
| OTICITY INDEX   | <del>-</del>                          |                        | -             |    |
| PLAN VIEW   | <del>  </del>                         |                        |               |    |
| AND TYPE SECTIONS                                     | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |                        | 4472          | Ι. |
| BRIDGE PLAN VIEW, POST<br>DETAILS SUBJECTABLE DETAILS | San Back                              | REVISIONS              |               |    |
| S OF THE SHOP HAND, FC DATA, STRUCTURE                | LUEBERY FERTEY                        | THAT THIS IS A CORRECT | T COPY OF THE |    |
| ON DETAILS A PHOP, DECK SECTION                       | PLANS OF PROJEC                       | 1,4321-33/23-0.79      |               |    |

| CESIGNED BY  | MEN  | 8-12        |
|--------------|------|-------------|
| DRAWN BY:    | MRM  | <b>₿-12</b> |
| CHECKED BY:  | FOUN | 9-12        |
| REVIEWED BY: | FRR  | 10-12       |

0

DESIGN DESIGNATION A . D . T L2009 11. 190 ..... 

PROJECT NO. \$321-33/25-0.79

LAYOUT SCALE

NOEX TO SHEETS

| HU.   | 70,000,000                                 |
|-------|--|
|       | TUTGE SHEET                                |
| 2     | GENERAL HOTES                              |
| 3     | EXISTING ELEVATION & DEGO SECTION, SCOPE   |
|       | OF WORK, & ESTIMATE OF CHANGESTALES        |
| 4     | RAW AND UTILITY, INDEX                     |
| 3     | APPOUT CT PLAN VIEW                        |
| 6     | GEOMETRIC LAYOUT TO REFERENCES             |
| 7     | LEBOT ILES AND TYPE SECTIONS               |
| -     | PROPOSED BRIDGE: PLAN VALVE POST           |
|       | The new private Anchaingate Details        |
| -     | SLEVATION VIEWS HYDRAULIS DATA, STRUCTURE  |
|       | ENCAVATION DETAILS . A PINDE, DECK SECTION |
| 10-11 | SUBSTRUCTURE DETAKES                       |
| 12-16 | SUPERSTRUCTURE DETAILS                     |
| 19-20 | C. R. 33725 CROSS SECTIONS                 |
|       | T  |
|       | `\   |

### PUBLIC STATE PROJECT MANOCA N. VA. PAINTING (NEW STRUCTURES) GOVERNING SPECIFICATIONS NAIL LAMINATED WOOD DECK (\*) BRIDGE GUARDRAIL (+) The governing providence appropriate to this professions the Wash Vinglate Organization of Highways Stand-ard Societicolom, Rocks and Hispans, adopted 2003, is arranded by the gurner? Popularization professional and the Wash Vinglate Department of Highways, it is control plans and the southed Continued. Price Bridge (Limber of lambor shall be inclined fore dibes, possess braine). No. 3 Mentiny Crisis hamiltonesses from the search of the price of lambor shall be searched by the lambor shall be searched by the Crisis (Shall Inclined shall be shall OFFICE (a) This revenue that consist of one store prices cost, one had some consent one field. With a cons. This revenue that consists a consist of one of one prices conformed to the global research. Some home deep the subject globalitation. The set causes as the part of globalitation of the constraint of the cons 0770% (M) The partners, before mile terminet settines, posite and set anothers that deviction to it to inchiprentia as a settion this at the settine discovered and the settines that are inchiprent pursues that the settines from the ART investor, ART, the separation and Revolve-to triple time. Should Ref. this Should have been devicted, and the settines when the a measurement of the office therein to ART. All question committed in the following when his a measurement of the office the settines when the settines are the settines and the settines are the settines are the settines and the settines are the se The summer buller and terminal sections, treets and pild anchors shall be \*Cornert Supplemental Specifications should be that Solicifications in effection the first day of project advertisation The internal plate in depote in motion, arisingly and average an amount of the discon-sistentic disconsistent of the plate in the disconsistent and accommendate of the discon-sistential and arising and arising a supplier of the disconsistent and arising a supplier and a supplier and a supplier arising and a supplier arising a supplier and a supplier arising a supplier and a supplier and a supplier arising a supplier and a supplier DESIGN-NEW STRUCTURES (1) OT RELL (W) CONTROL OF AN ARTHUR BY THE PROPERTY OF A STATE AND IN PRICE SELECTION OF REPORTED AND ARTHUR PROPERTY OF A STATE AND A STAT This bridge is designed for or 14,43 for load deposity, as well of Nor 3 Paul . However, which developed is sent to 4,45 for load deposity, as well of Nor 3 Paul . However, which developed is 10,000 paul. Sentent Sent (AMS)-4, 10,000 paul . Class 8 Concreted, 9, 1000 paul . Cl DESIGN REHABILITAION AND STRENGTHENING Manuscia notice worknessing adults ordine, to the prescriptment of the Species 755.6 of the Symatric Specification. [Indifferent numbers of adults debored to revening responses of 7,000 based here on a secretal by the product of the secretary No bridge is substituted for a trap time calculation to the processing and design street. Specifications. (Topology that garbons to the resultaneous of Subsection 19,20 a or bill-blander Sprofessions. The color smaller (\$\overline{B}\$ is exceeding with Federal Standard 250, number (\$\overline{B}\$). Day the shidosom in the section of the section (\$\overline{B}\$) is the section of the section of the section (\$\overline{B}\$). STEEL GRID FLOORING (CONCRETE FILLED TYPE) CONCRETE (CAST-IN-PLACE) (1) The subject boards shall sentern to all exclusions excellent on the class (\$5000 be current bounded \$5000 be considered \$5000 Concrete shadles name in association onto Euberstein (ICI, II) of the Stational Specifications, it can be considered to the Stational Specifications, it can be considered an Stational Specification. If it is of the Stational Specification is sufficient to the stational Specification in the relationary operating preserves from the surface of the operating specific large conference for the specific specific and I be the stationary in contract with the ground surface and I believe of the stationary and the specific specifi Said grapes shak consist of application of shop prime cost and Said Month-on and 12/20 at page zone. Page grapes sharf has die livragende sine den pattern meeting the implicational of discovering 20/20.2 of the "Discription Special Special Special Const." On Technology 100 to a recovering Them Constituon the party control of the party control of any party of all the party of the party control CLEANING AND PAINTING (EXISTING STRUCTURES) The claiming and particip multi-be in accordance with active OPTION (to) or (to) and inchinge continue to dispositable regularized at Section 120 of the currier Bandwid Benchmisted, serials beneathership and to the continue benchmisted to the continue benchmisted and the process commiss an investigate paths experts them aprilm (CC) that also spots. SUBSTRUCTURE CONCRETE (CAST-IN-PLACE) () Af concress in the substructure abult be Clere B, of entrafred. Charder all alpowed usigns of the substructure combine I look potent for the electronist surface. Common disposed algorial dels autocomics cerebre I foot, people in the chromos colds, which allow to contribute 30 febr. The supposed author after autocomics shift be Des s. Ordery Burson Fresh, in excelerate and Secretaria Shift of the Secretaria Shift of Secretaria Shift of the Secretaria Shift of Secretar STITUTE TO portions of the Products Based to the special roots and questly please, table to opportunities (2) and core, shall be approximated to the product of the post-financial (2) and core, shall be deeped to suppress Freeting and Robertson, Inc. Richmond, Virginia CARECULAR IN A PACKET OF THE PACKET WHEN IT THE PACKET WAS A CONTROL OF THE PACKET OF STEEL GRID FLOORING TOPEN TYPE A. W. Williams Inspection Company Motols, Matterna The same of coopy and southern or all projection contentions of the same of the same services of the same of the same of the same services of the same PRESTRESSED CONCRETE SUPERSTRUCTURE (\*) Rave to the appropriate Paradies Pain think the design streams, post-fictions of ornio. Although the piece are detailed first pathods type of precisions consistent each control. Although the piece are detailed first pathods type of precisions control each control. Although must purely precised distrinus are seen to a control or to the other design designation of a provided first pathods are required for the control of precision and provided first pathods. Although the provided first pathods are designed to provide the pathods are required by the use of the although the pathods are required by the use of the although the pathods. SUPERSTRUCTURE CONCRETE (CAST-IN-CLACET) All concerns in the Lapermone's head to Class K, it against \$1 contrasts in circle to the preparation of the Class K, it against \$1 contrast to the year of anomaly receive you. Out-of a dependent days after in place of the contrast to the year. Out-of a dependent days after in place of the contrast \$1.0 contrast and contrast in the contrast \$1.0 cont MAINTAINING TRAFFIC (1) Department of Highways. c: Completion data of the project with not be extended due to any delay are numbered in obtaining forths that be mathematical in accordance with Section 836 and Subsection 104.6 of the Standard REINFORCING STEEL BARS ( plate of in accommon with receipt purcound and number of the common of t All sunfacting steel have shall be intermediate grade billed steel, Grade 40 or 80 or secondarise with Subsection 70%, of the Standard Specifications . The requirements of Section, 602 of the Standard with a linky of a whole text hotes. The supported that allest nextoon can have the infeltioring late for the text has the shall not E-C from the last classers, related have been destined in which is 30 to discrete orders in such wide. One for own to the own of prettom remote of sects they have been dested, in the side forward and while last for the such and the side of the section of the side of th In considerable of participations and the participation of the applications of the applications of the participation of the applications of the participation of the applications of the participation NOTE SELECTION TABLE TION TABLE ON 118 M ON 1 COOK YTT NO <u>≠10n:</u>⊗ Extraconamina Protection: All portions of the attractive sharter counted to exceedence with End-Suprisit Promotion for Standards and Pointing Entering Oracle Standards, Sub-articles \$701, 070 Those items are for Purchase Onder Contract only. STRUCTURE EXCAVATION [FOOTINGS FOUNDED IN ROCK] () increase adversers quarter translations (purposed first MCCK). Increase adversers quarter translations (purposed first and purposed first and pur THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION STRUCTURE EXCAVATION (FOOTINGS FOUNDED ON PILES) (7) DOMSKON OF KICHWAYS-KTHUCTURES Sourcium exception quantities through, each PS shall be measured from the bottom as the footing. The original present line, to inches sociales that rest the of the foreign. No exception will be classified as CONSTRUCTION PLANS OF PROPERTY OF THE PROPERTY OF TH JOHN STREET CULVERT REPLACEMENT STEEL TOUGHNESS REQUIREMENT ( PREFORMED ELASTOMERIC JOINT SEALER (1) CONTROL VALUE ON GR. 3325 (LOCAU) The professed abstracting point contemporal garagine for the recultivants of Section 618 of the Blandard Specifications. of the product of the AAMIC Software participates with Aritic St. C. in the Statement of the Control of the Con

STANDARD BRIDGE FLANS

GENERAL NOTES STANDARD SHEET BR-2A 9-13

SUG P. THINE PARTY.

G-16. 11-12

RALL HOME

ERIDGE NUMBER

OVER SMITH RUN

LEWIS COUNTY

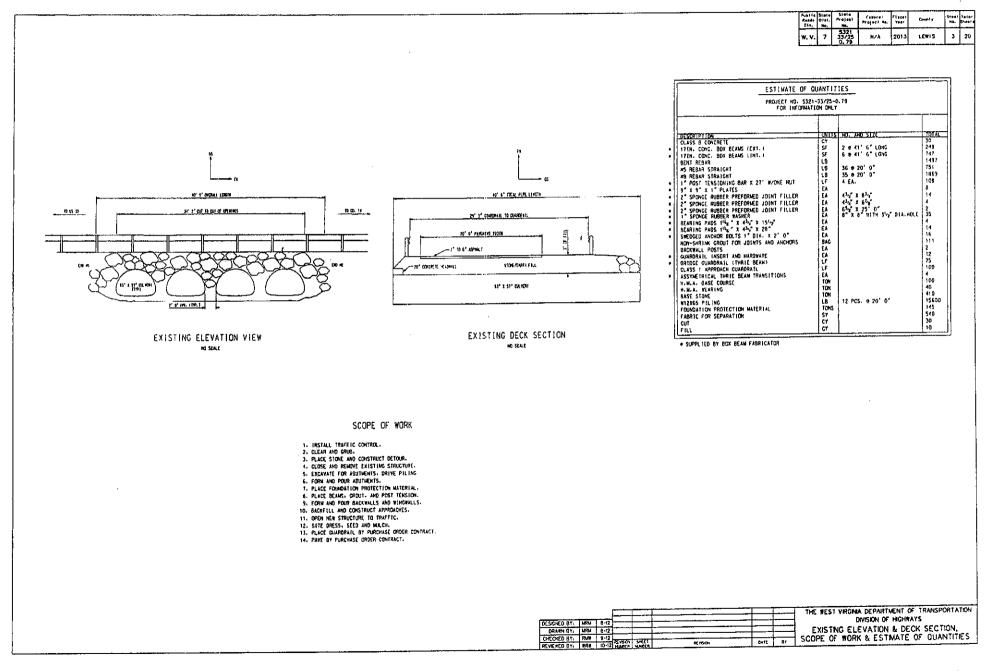
GENERAL NOTES

countr

10915

5521-51/25-0.10

HO. SHITS 1 10

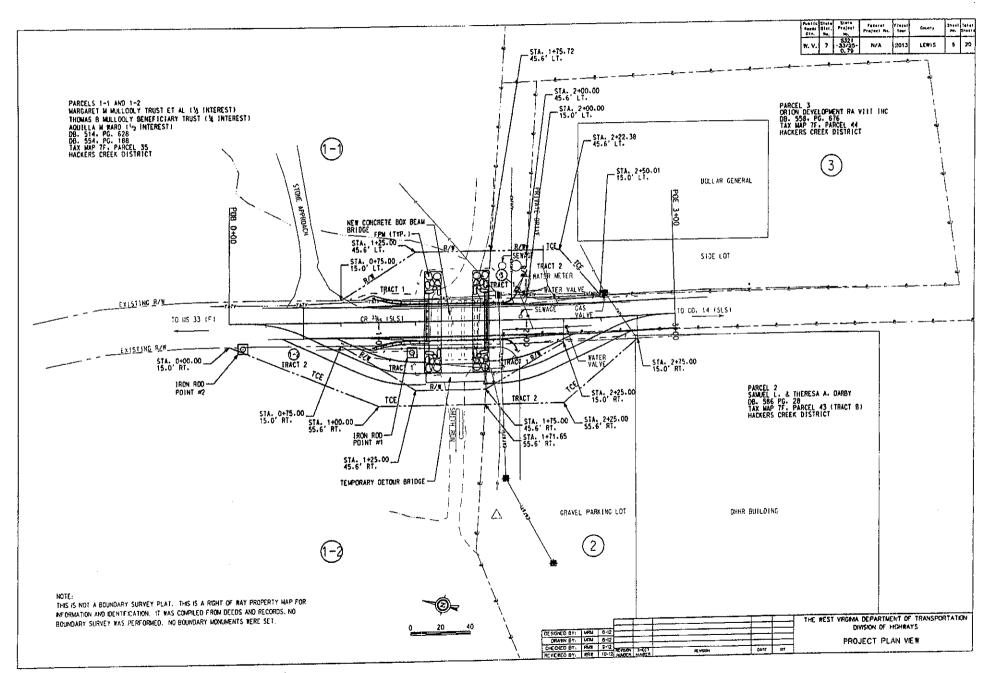


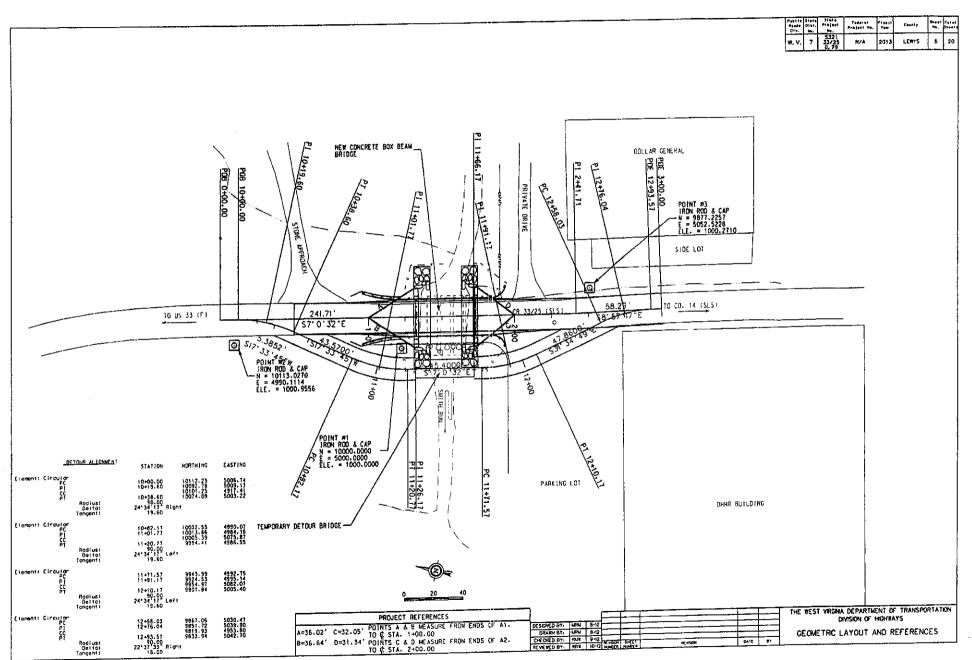
| Putifie<br>Reeds<br>Div. |   |                        | fedoral<br>Project Ro, | Fluent<br>Year | Caunty | Stee * | latat<br>Sheet s |
|--------------------------|---|------------------------|------------------------|----------------|--------|--------|------------------|
| w. v.                    | 7 | \$321<br>33725<br>0.79 | H/A                    | 2013           | LEWIS  | 1      | 20               |

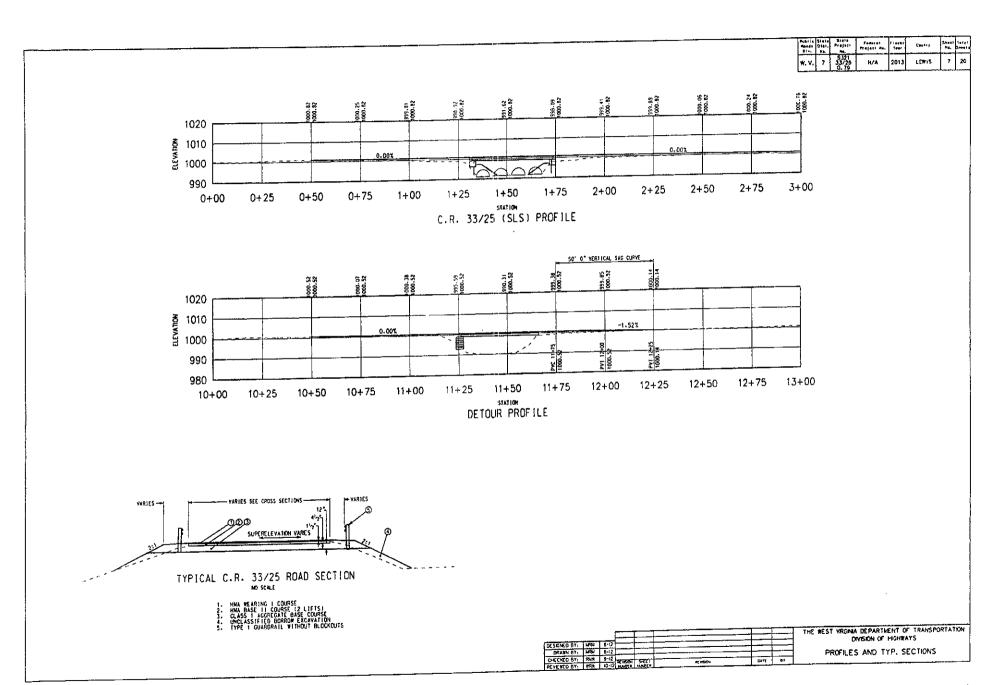
|               |               |   |         |         |             |     |              | · COUNTE | ET (Unles | A 00+04 04 | PACH(CA)     |          |         |          |                                 | R/W DEED!   | RECORD      |
|---------------|---------------|---|---------|---------|-------------|-----|--------------|----------|-----------|------------|--------------|----------|---------|----------|---------------------------------|-------------|-------------|
| PAGCEL        | PLAN<br>SHEET | TITLEHOLDER                                   | RECO    | ORDED   | _itracti    |     | AREA         |          |           | S HOTEO DE | REMAINING    |          | TOTAL   | PARCEL   | REMARKS                         | DEFO        | PAGE        |
| PARCEL<br>NO. | SHEET         | TITLEAULUCA                                   | DEED    | PAGE    | NO.         | C/A | NON-         | الاهلى   | MENT      |            | I RIGHT      | TOTAL    | TOTAL   | TÖTAL    |                                 | BÖÖK        | . NO.       |
| 1101          | NO.           |   | BOOK    | NO.     |             | 4   | C/A          | I IYPE   | AHLA      | LEF        | . R.IUN      | 92 62 AC | 0.05 AC | 92.67 AC | TAX MAP 7-F. PARCEL 35          |             |             |
| 1-1           | 3             | MULLOOLY HERS AND OTHERS                      | 514.554 | 628.188 | 1-1-1       |     |              | +        | ļ         |            | <del> </del> | 4.57 AC  | 0.07 AC | 4.59 AC_ | TAX MAP 7-F. PARCEL 35          |             |             |
| 1-2           |               | MILLCOLY HERS AND OTHERS                      | 5147554 | 628.186 | 1-1         |     | 2209         | 100      | 2750      |            |              | 11.53    |         |          |                                 |             |             |
|               |               |   | 7.02    |         | ┸╌          |     | 815          | 105.     |           |            |              | 4.59 AC  | 0.02 AC | 1,61 AC  | TAX MAP 7-F. PARCEL 43. TRACT B |             |             |
|               | 3             | SAMUEL L. & THERESA A. DARBY                  | 586     |         | + > 1       |     | +            | TCF      | 2297      |            |              | T        |         |          |                                 | <del></del> |             |
|               |               |   | ****    | 576     | +:          |     | 769          | 1        |           |            |              | 1.03 AC  | 0.02 AC | 1,05 AC  | TAX MAP 1-F. PARCEL 44          |             | ——~         |
|               |               | ORION DEVELOPMENT RA YILING                   | 236     |         | <del></del> |     | <del> </del> | TOE      | 1108      |            |              |          |         |          |                                 | <del></del> | <del></del> |
|               | <u> </u>      |   |         |         |             |     |              |          |           |            |              |          |         |          |                                 |             | <del></del> |
|               |               |   | ·       |         | +           |     |              | I        |           |            |              |          | ******* | <b></b>  | SMITH RUN                       |             |             |
| <del></del>   |               | STATE OF W.V DEPT. DE COMMERCE, DIV. OF       |         |         | 1 7         |     | <del> </del> | Pξ       | 1285      |            |              |          | 1285 55 | <u> </u> | 2011U UOU                       | ·           |             |
|               |               | WATURAL RESOURCES, OFFICE OF LAND AND STREAMS |         |         | +           |     |              |          |           |            | <u> </u>     |          |         |          |                                 |             |             |

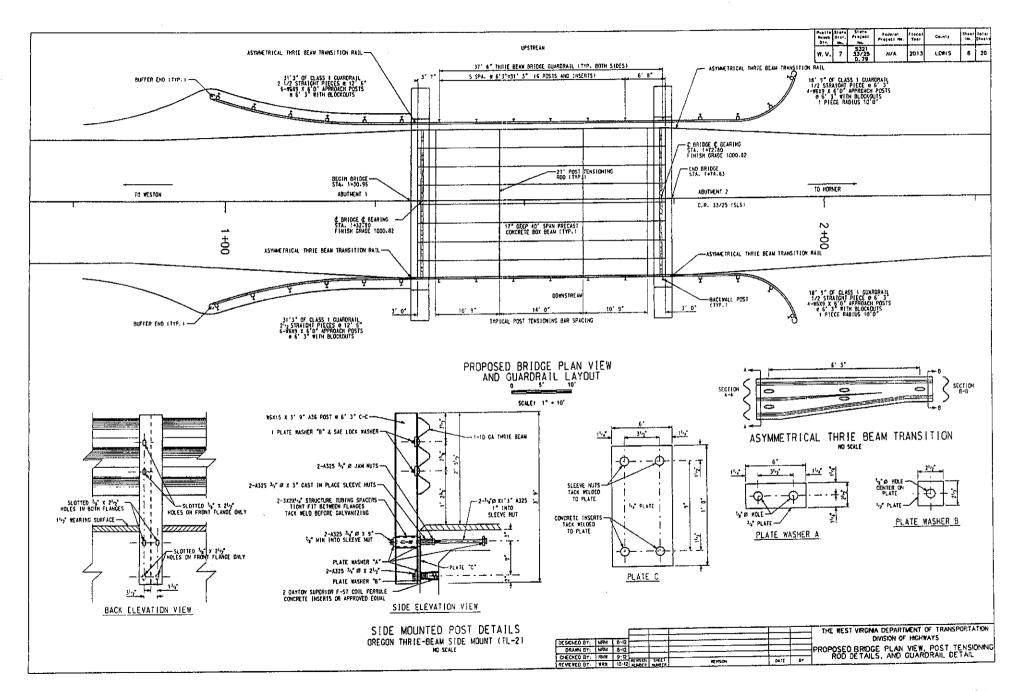
| UTILITIES TABLE |       |                           |                           |  |  |  |
|-----------------|-------|---------------------------|---------------------------|--|--|--|
| STATION         | SHEET | DESCRIPTION               | DISPOSITION               |  |  |  |
| 0+00 TO 3+00    | 3     | NON POWER                 | POSSIBLY DE-ENERGIZE LINE |  |  |  |
| 0+00 TO 3+00    | 3     | FRONTIER DE NY.           | NO ACTION NECESSARY       |  |  |  |
| 0+00 TO 3+00    | 3     | TY AMERICAN VATER COMPANY | NO ACTION MECESSAAY       |  |  |  |
| 0+00 TQ 3+00    | 3     | DOMINION HOPE             | NO ACTION NECESSARY       |  |  |  |
| 0+00 TO 3+00    | .3    | WESTON SANITARY BOARD     | NO ACTION NECESSARY       |  |  |  |

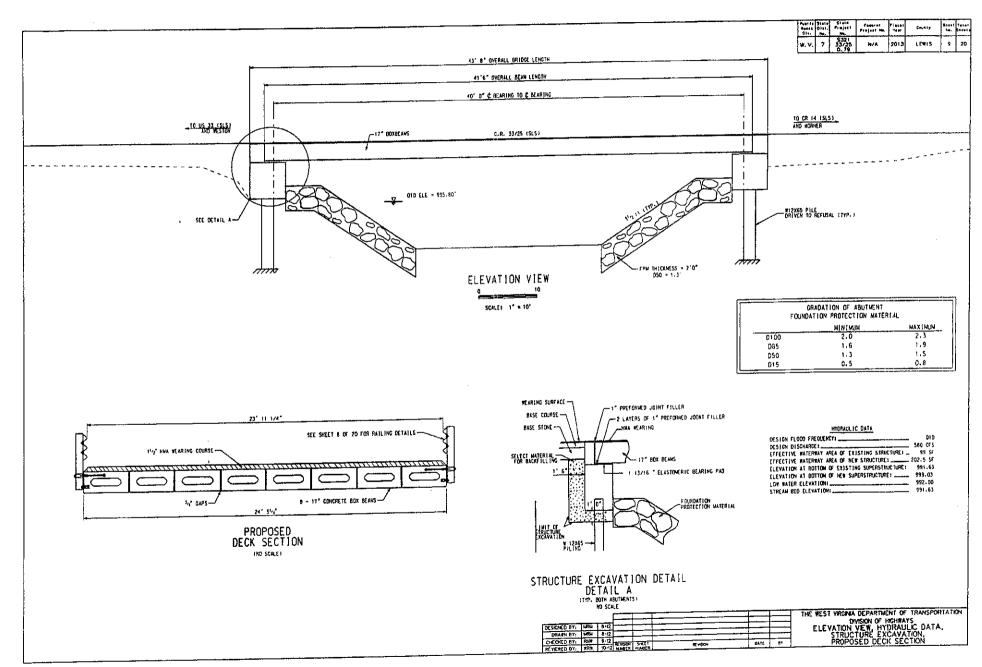
|  | THE MEST VIRGINA DEPARTMENT OF TRANSPORTATION |
|--|---|
| DESIGNED BY, LIGHT 18-12                   | DIVISION OF HIGHWAYS                          |
| DESIGNED BT: HFM 8-12  OFLATN BT: MFM 8-12 | 0 100 4 11711 174 64700                       |
| CHEOGO BY: Part 9-12                       | R/W & UTILITY MIDEX                           |
| REVERED BY: WAR   10-12 MARCH NARCH        |   |

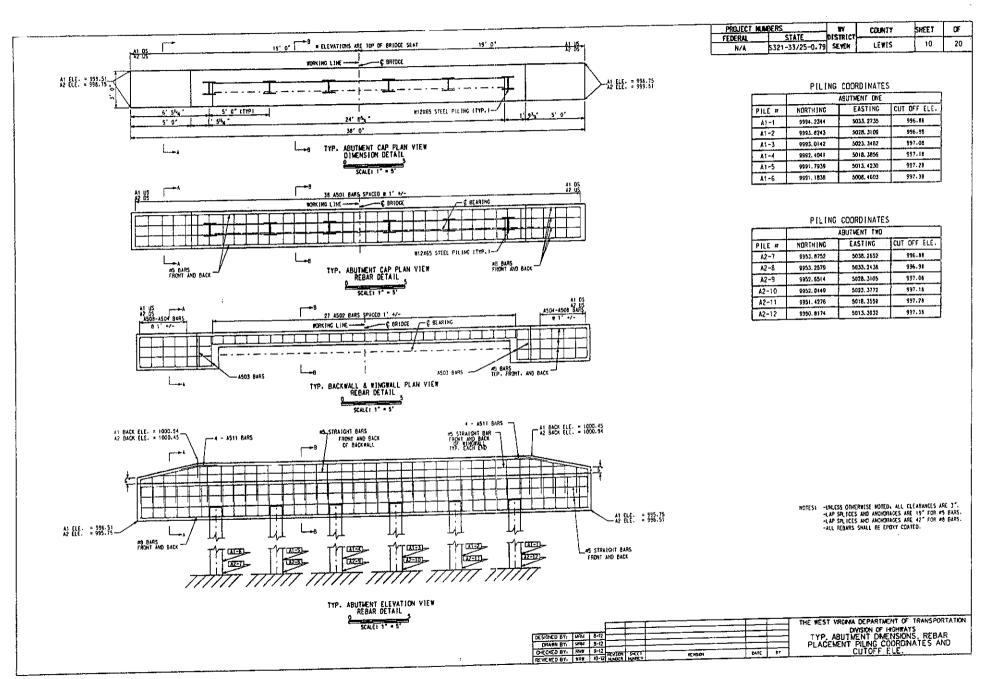


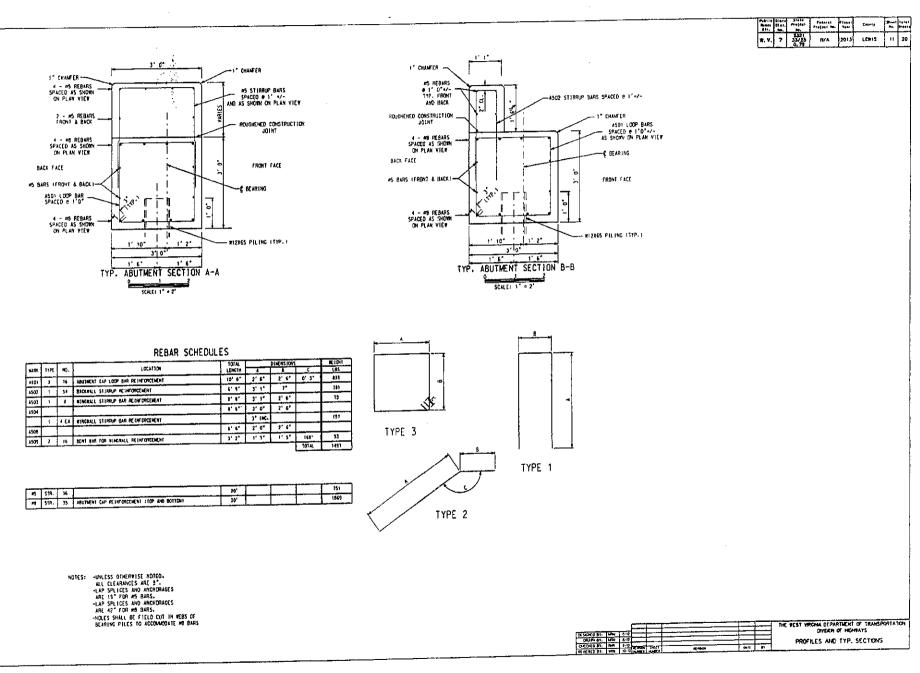


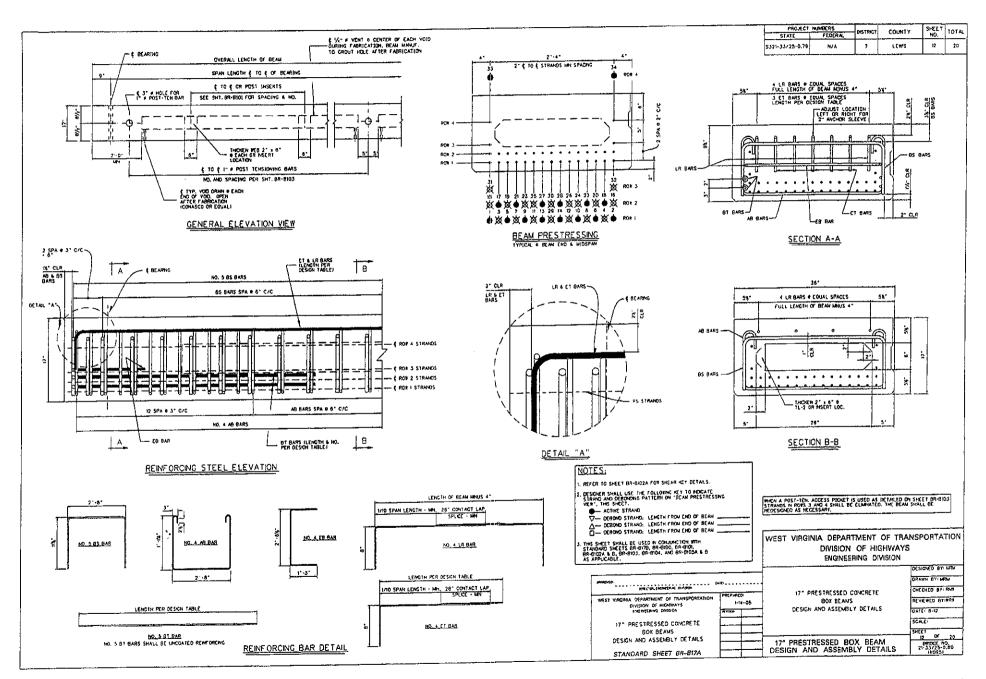












|  |                                       |                 |      |         |                |            | · · · · · · · · · · · · · · · · · · · | 200  |      |             |       |        |       |        |           |      |       |          |      |                  |      |      |          |          |             | ٦ |
|--|---------------------------------------|-----------------|------|---------|----------------|------------|---------------------------------------|------|------|-------------|-------|--------|-------|--------|-----------|------|-------|----------|------|------------------|------|------|----------|----------|-------------|---|
|  |                                       |                 | m    | ,,,,,,, | $\overline{m}$ |            |                                       | UE 5 | IGN  | DALA        | 1 F L | R 17'  | . DFb | ч<br>Н | DALU      | FN   | SUX   | THE THE  | MA   | N                |      | <br> | Т        | 1        |             | 4 |
| SPAN LENGTH ( TO                                 | <del></del>                           |                 | WH   | H       | HH             | HH         | HH                                    | HH   | HH   | HH          |       |        |       | HH     | HH        |      | 144   | HH       | HH.  | 40'-             |      | <br> |          | 1-       | <del></del> | - |
| OVERALL LENGTH OF                                |                                       |                 | HH   | HH      | HH             | HH         | HH                                    |      | HH   |             | HH    | HH     | HH    | HH     | HH        |      | HH    | HH       | HH.  | 41               | "    |      |          |          |             | - |
| NO. OF 270 KSI. V.<br>STRANDS, AREA/STRA         | UDW-RELAX<br>0 0.167 S                | ATION<br>D. IN. |      |         | 11/4           |            | M                                     | III  |      |             | IIII  | lkli.  |       | HI     |           |      |       | III.     |      | 15               |      |      |          |          |             |   |
|  |                                       | ROW 1           |      |         | W              | M          |                                       |      |      |             | W     |        |       |        | 1111      | 1116 | 168   | 19       | 11/4 | 1.2,5,6,1        | .10. |      |          |          |             |   |
|  |                                       | 80# 2           |      |         | 111            | H.         | TIT!                                  |      |      |             |       |        | H     | 77/    |           |      | te t  | <i>M</i> |      | 17,18,21<br>27,2 |      |      |          |          |             | ٦ |
| STRAND POSITION NU                               | MOCA                                  | ROM 3           |      |         |                |            |                                       |      |      |             |       |        |       |        |           |      | HH.   |          |      | -                | -    |      |          |          |             | 1 |
|  |                                       |                 |      |         |                |            |                                       |      |      |             |       |        |       |        |           |      |       | <i>W</i> |      |                  |      |      |          | 1        |             | 1 |
|  |                                       | ROW 4           |      |         |                |            |                                       |      |      |             |       |        |       |        | <i>HH</i> |      | HI.   |          |      | 33,3             |      |      | -        | <u> </u> |             | 1 |
| PRESTRESSING FORCE<br>STRAND RELEASE, Pol        |                                       |                 |      | M       | TT)            | <i>III</i> | <i>IIII</i>                           | M    |      |             |       | M)     |       |        | 1111      |      | 177   | W        |      | 513              |      |      |          |          |             |   |
| EFFECTIVE PRESTRES                               |                                       | AF IER          |      |         |                |            |                                       |      |      |             |       |        |       |        |           |      |       | W        |      | 447              |      |      |          |          |             |   |
| REQUIRED FACTORED<br>B STRENCTH 1, No (F)        | HOWENT<br>KIPS/BEAK)                  |                 |      |         | 127            |            |                                       |      |      |             |       | 122    |       |        | W.        |      | 19    | W        | M    | 531              |      |      |          |          |             |   |
| FACTOREO FLEXURAL<br>RESISTANCE, Mr IFT-K        | PS/BEAM)                              |                 |      |         |                |            |                                       |      |      |             |       |        |       |        |           |      |       |          |      | 848              |      |      |          |          |             |   |
| TOTAL NO. DEBONDED                               | STRANDS                               |                 | THE  | m       | H              | 1111       | H                                     | W    | HIL  | 1111        | XXX   | H      | UM)   | #//    | 1111      | W.   | UH.   | M        | H    |                  | - 1  |      |          |          |             |   |
| DEBONDED STRAND PO                               | ISITION                               | ROW I           |      |         |                |            |                                       |      |      |             |       |        |       |        |           |      |       |          |      |                  | -    |      |          |          |             |   |
| NUMBER & SHIELDING<br>FROM EACH END              | LENGTH                                | ROW 2           |      |         |                |            |                                       |      |      |             |       |        |       |        |           |      |       |          |      | _                | -    |      |          |          |             | ] |
| NUMBER & LENGTH ** TENSION BARS 1 EACH           | ET TOP                                |                 |      |         |                |            |                                       |      |      |             |       |        |       |        |           |      |       |          |      | 3                |      |      | ····     | †        |             |   |
| NUMBER & LENGTH -5<br>TENSION BARS & EACH        | 9T 90110M                             |                 |      |         |                |            | III.                                  |      |      | <i>IIII</i> |       |        |       |        | 11/1      | W    | L. M  | W        | III. | 17.              |      |      |          |          |             |   |
| DESIGN CAMBER                                    | P RELEASE                             |                 | MA   | M       | H              | UH,        | th,                                   | Alle |      | Ulli        | M     | likt,  | MA    | 11/4   | MA        | M    | 14.P  | M        | HILL | 0,81             |      |      |          | ļ        |             | 4 |
| PESION CAMBER<br>= POSITIVE (UP)<br>(INCHES)     | a ERECTION                            |                 | 1111 | M       | HH             | W          | EFF.                                  | M    | HIL  | UH          | III   | THAT ! | IIII  | MIL    | ll A      |      | 1881  |          | 1199 | 0.90             |      |      |          |          | _           | _ |
| (munca)  | 0 FINAL                               |                 | WA   | M       | DIL.           | IMI        | III                                   |      |      | Mi          |       | HH     |       | 11/1   |           |      | 11:11 | M        | HILL | 0.87             |      |      |          | <u> </u> |             | 4 |
|  | NO OF INSE                            | RTS REOD.       |      | IIX     | M              | M          | IIII                                  | IIII | IIII | IIII        | IIII  |        | IIII  |        |           |      |       | IIII     |      | <u> </u>         |      |      | ļ        | ᆚ——      | :           | 4 |
| YUMBER & SPACING<br>OF TL-2 GUARDRAIL<br>INSERTS | END OF BEA<br>¢ OF FIRST<br>EA END    | M TO<br>INSERT  |      |         |                |            |                                       |      |      |             |       |        |       |        |           |      |       |          |      |                  |      |      |          |          |             |   |
| SEE NOTE 6                                       | ¢ OF 1et IN:<br>TO ¢ 2nd II<br>EA ENO | SERT<br>ISERT   |      |         |                |            |                                       |      |      |             |       |        |       |        |           |      |       |          |      |                  |      |      |          |          |             |   |
| WEIGHT OF TYPICAL E                              | EAM INCLUD                            | ING             |      |         | M              |            |                                       |      |      |             | m     |        |       |        | M         |      |       | W        |      | 10.6             |      |      | <u> </u> |          |             |   |

| STATE<br>PROJECT HANGER | FROJECT MANGER | STAIC<br>GIST.<br>MG. | CCU-17 | SMCC1 . | 101 N<br>SHEETS |
|-------------------------|----------------|-----------------------|--------|---------|-----------------|
| \$321-33/25-0,79        | Re'A           | ,                     | LE#15  | 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.

- I. BEAM WEIGHTS LISTED IN THE DESIGN TABLE ARE BASED ON ZERO SKEW, 2 FT. LONG ENDBLOCK AND DIAPPRACHS SPACED # 15 FT C/C. WEIGHTS FOR SKEWED BEAMS, LONGER ENGBLOCKS AND ADDITIONAL DIAPPRAGRMS SHOULD BE ADJUSTED ACCORDINGLY.
  - FOR ADDITIONAL DIAPHRAGMS, ADD 135 LBS/DIAPHRAGM.
  - FOR SKEW ADD 17 LOS/DEGREE OF SKEW/END.
- FOR LONGER ENDBLOCK, ADD 163 LBS/LF/END.
- 2.DESIGNERS SHOULD NOTE THAT DATA IN STANDARD TABLE IS BASED DN EVEN SPAN LENGTHS. A TWO LAME STRUCTURE & BEAUS WIDE AND ZERO SKEW. SUPERIMORDED DEAD LOADS INCLUDE THEE F PRAMEET (32) PLY AND A FWS OF 50 PS; FOR ROH-STANDARD BRIDGES DATA SHOULD BE VERFIED AND IF REQUIRED NW DESIGN DATA KNICKED INTO BLAWK COLUMNS. IN NO CASE SHALL THE STANDARD DESIGN TABLE BE ALTERED.
- S. PREDICTED DESIGN CAMBER VALUES LISTED IN THE TABLE ARE BASED ON EMPIRICAL FORMULAS AND AS SUCH ARE APPROXIMATE, FOR MEMBERS WITH SPAN-TO-OCPTH RATIOS AT OR EXCEEDING 25. THE TOLERANCE VALUES LISTED IN APPROXIS BY OF LIMINAL, FOR OUALITY CONTROL, NAM-116, MAY
- NOT APPLY.

  WEASUREVET OF CAMBER FOR COMPARISON TO PREDICTED DESIGN VALUES SHOULD BE COMPLETED WITHIN 22 HOURS OF RELEASE. ADDITIONALY, CAMBER SHOULD BE EVALUATED UNDER CONDITIONS THAT MINIMIZE THE AFFECT OF TEMPERATURE VARIATIONS.
- A.DESIGNER, FABRICATOR, AND ERECTOR SHALL BE AWARE THAT SKEWED END BEAMS MAY TWIST OR WARP, CAUSING UNEVER BEAM STATING AT THE BEARINGS, THE CONTRACTOR IS REQUIRED TO CORRECT AT THE TIME OF ERECTION, BEFORE THE BEAMS ARE SECURED IN FLACE, LETHOD OF CORRECTION SHALL PROVIDE AN EVEN. TOTAL BEARING AND A LEVEL TOP BEAM SURFACE, TOLERANCE, AFTER CORRECTION, SHALL BE 1993 V. INCH. THE FABRICATOR SHALL NOTIFY THE CONTRACTOR AND DESIGNER IF CORRECTIONS ARE REQUIRED PRIOR TO SHIPMENT.
- S. MAXIMUM BEAM SKEW SHALL BE 30 DEGREES.
- 6. DESIGNER HIPUT VALUES OF NUMBER OF INSERTS, DISTANCE FROM END OF BEAM TO C FIRST INSERT, AND C FIRST INSERT TO C SECOND INSERT, ABOVE VALUES SHALL BE BASED ON THE REQUIRED 6'-3" GUARDRAIL POST SPACING ACROSS THE BRIDGE.
- 7. SPECIAL STRAMO NOTE FOR 17" BOX SECTION DALY! WHEN TL-2 GUARDRAIL INSERTS ARE REQUIRED THE BOTTOM INSERT ITYPE 2A ANCHORI COMPLICTS WITH STRAMO NO. 15. STRAMOS 15 AND 16 MAYE BEEN MOVED TO POSITIONS 17 AND 18. FOR UNIFICIALITY PURPOSES, ALL BEAMS OF THE SAME DESIGN SHALL USE SAME STRAMD PATTERN.
- 8. THIS SMEET SMALL BE USED IN COMMUNICION WITH STANDARD SMEETS BR-817A, BR-8100, BR-8101, BR-8102A & 8, BR-8103, BR-8104, AND BR-8105A & 8 AS APPLICABLE.

| C ACROSS  |         | ENGINEERING DIVISION                      |                                   |  |  |  |
|---|---------|---|-----------------------------------|--|--|--|
|   |         |   | DESIGNED BY: SHOW                 |  |  |  |
|   |         |   | DFAFN BT- MRM                     |  |  |  |
|   | _       | WEST MIRCHIA DEPARTMENT OF TRANSPORTATION | ENTERED BY MAN                    |  |  |  |
| PARCARY DESIGNATION MARRIED                                       | ID      | DIVISION OF HIGHWAYS                      | ALVITATO DY-MAN                   |  |  |  |
| EST WIRGINIA DEPARTMENT OF TRANSPORTATION<br>DIVISION OF HICHWAYS | 1-14-05 | ENGINEERING DIVESION                      | BATE: 0-13                        |  |  |  |
| ENCINECAING DIVISION  | 1-14-02 |   | 1CAE                              |  |  |  |
| DESIGN TABLE FOR 17"  |         |   | 59KCT NO 13 0° 20                 |  |  |  |
| PRESTAESSED BOX BEAM  |         | DESIGN TABLE FOR 17"                      | \$11000; HAVELA<br>\$1-33/28-0.00 |  |  |  |
| STANDARD SHEET BR-8178  |         | PRESTRESSED BOX BEAM                      | (10921                            |  |  |  |

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

#### GOVERNING SPECIFICATIONS

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF MICHRAYS STANDARD SECRIFICATIONS FOR RODOS AND BRIDGES, ADDREON 2000 AN AMENDED BY THE CURRENT SUPPLEMENTAL SECRIFICATIONS. THE CONTRACT PLANS AND CONTRACT SPECIAL PROVISIONS ARE THE GOVERNING PROVISIONS APPLICABLE TO

ALL BEAMS ARE DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN
SPECIFICATIONS DATED 1998 AS ANTHOED BY THE 2003 INTERIM SPECIFICATIONS.

#### DESIGN NOTES

ALL STANDARD ADJACENT PRESTRESSED CONCRETE BRIDGE GEAMS ARE DESIGNED TO MEET THE FOLLOWING CRITERIA:

### I. DESIGN LUADS

NI-93 LIVE LDAD IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

FUTURE WEARING SURFACE OF 50 PSF OF ROADWAY.

#### TYPE F PARAPET WEIGHING 321 PLF

DIAPHRAGM DEAD LEAD, HUMBER REQUIRED BASED ON 15"-0" MAX, SPACING.

2. TWO LAME BRIDGE WITH AN OVERALL WIDTH OF Z4\*-5" (INCLIA" GAP BETWEEN ADJ. BEAMS), A CURB-TO-CURB WIDTH OF Z2\*-1", TRANSVERSE POST-TENSIONING. AND ZERO SKEW.

| 3. | DESIGN STRENGTH AND | UNIT STRESSES                                  |            |
|----|---------------------|--|------------|
|    | MINIMUM CONCRETE    | STRENGTH & STRANG RELEASE                      | 129 005E   |
|    | edialecta co.o.c.c  | J. 11 (11 )                                    | 1.8000 PSI |
|    | TEMPORARY STRESS    | LIMITS IN CONCRETE BEFORE LOSSES               |            |
|    | COMPRESSION ST      | RESS LINIT & STRAND RELEASE                    | 3600 PSI   |
|    | TENSION STRESS      | LIMIT & STRAND RELEASE                         | -200 PSI   |
|    | COMPRESSIVE STRES   | S LIMITS IN CONCRETE & SERVICE 1 AFTER LOSSES: |            |
|    |                     |  | 1000 001   |

| COMPRESSIVE STRESS LIMITS IN CONCRETE @ SERVICE 1 AFTER LOSSES: |           |
|---|-----------|
| 0 FINAL 1 (PS-DL-LL)  | 4800 PS1  |
| 9 FINAL 2 (PS-DL)   | 3600 PSI  |
| 0 FINAL 3 (50X(P\$-0LI-LL)                                      | 3200 PSI  |
| TENSILE STRESS LIMIT IN CONCRETE & SERVICE III AFTER LOSSES     |           |
| # FIRM: 1 (PS-OL-LL)  |           |
| TENDON STRESS LIMIT PRIOR TO TRANSFER                           | 202.5 KSI |
| TENDON STRESS LIMIT AFTER ALL LOSSES:                           | 194_4 KSI |

4. DEBUMBING OR SHIELDING OF STRANDS TO REDUCE TEMPORARY TENSILE STRESSES IS PERMITTED, HOWEVER DESCRIDING IS LIMITED TO 40% PER ROW AND 25% TOTAL, IN NO INSTANCES SHALL DUTER STRANDS BE DEBONDED. DEBONDED STRANDS SHALL BE SEPARATED BY AT LEAST ONE FULLY BONDED STRAND AND SHALL BE SYMMETRICAL ABOUT THE C OF THE BEAM. SHIELDING OF STRANDS SHALL BE ACCOMPLISHED BY TAPING OR TIGHT FITTING PLASTIC

5. THE ELASTOMERIC BEARING PAGS PROVIDED IN THE STANDARD DESIGNS ARE BASED

ON ZERO GRADE AND ARE LIMITED TO A MAXIMUM OF 5% GRADE. IN INSTANCES OF GRADES EXCEEDING THIS LIMIT, PADS SHALL BE SPECIFICALLY DESIGNED. INDIVIDUAL PAD DESIGNS SHALL BE IN ACCORDANCE WITH SECTION 14, MASHTO LRFD. BEVELED SOLE PLATES ARE PERMITTED.

5. MAXIMUM BEAM SKEW SHALL BE 30 DEGREES.

7. WHEN ALTERNATE DESIGNS OR SITE SPECIFIC DESIGNS ARE PROVIDED, CRITERIA SET FORTH IN THESE STANDARDS SHALL APPLY.

8. NEGATIVE DESIGN CAMBER AFTER ALL LOSSES IS NOT PERMITTED.

9. EACH BEAK PROVIDED IN THESE STANDARD DESIGNS HAS BEEN LOAD RATED IN ACCORDANCE WITH SECTION 3.15 OF THE WEST VIRGINIA DIVISION OF HIGHWAYS BRIDGE DESIGN MANUAL, 2004. ADDITIONALLY, LOAD RATING PROCEDURES ARE IN ACCORDANCE WITH THE MASKID MANUAL FOR CONDITION EVALUATION AND LOAD AND RESISTANCE FACTOR RATING OF HIGHWAY BRIDGES.

| LAS SPLICE TABLE |       |       |     |       |  |  |  |
|------------------|-------|-------|-----|-------|--|--|--|
| JAR SIZE         | MQ. 3 | NO. 4 | ş   | NO. 6 |  |  |  |
| SPLICE LEN.      | 211   | 28"   | 34" | 41"   |  |  |  |
| DI C144 4        |       |       |     |       |  |  |  |

THIS SHEET SHALL BE USED IN COMMINCTION WITH STANDARD SHEETS BR-817A L B THRU BR-842A L B, BR-8101, BR-8102A L B, BR-8103, <del>OR DIG4. NID-0R 0105A L B</del> AS APPLICABLE.

#### MATERIALS & FABRICATION NOTES

. THE PRESTRESSED CONCRETE BEAMS SHALL CONFORM TO ALL APPLICABLE PROVISIONS OF SECTION 603 OF THE STANDARD SPECIFICATIONS.

ALL MILD REINFORCING STEEL SHALL BE CRADE 60 DEFORMED BILLET STEEL AND SHALL BE EPOXY COATED EXCEPT WHERE NOTED. ALL UNCOATED REINFORCING SHALL MEET THE REQUIREMENTS OF AASHTO NSI, ALL EPOXY COATED REINFORCING SHALL MEET THE REQUIREMENTS OF AASHTO M284, EXCEPT WHERE AMENDED BY SECTION 709.1 OF THE STANDARD SPECIFICATIONS.

ALL TENSION LAP SPLICES SHALL BE A CLASS B. CONTACT TYPE. MINIMUM LAP SPLICE LENGTHS SHALL BE AS GIVEN IN THE "LAP SPLICE TABLE", THIS SHEET, ADDITIONALLY, IF LAP SPLICING OF ET, LR. AND BY BARS IS USED, TERMINATION OF THE SPLICE SHALL SE NO CLOSER TO THE END OF THE BEAM THAN 1/10 OF THE SPAN LENGTH.

MINIMUM BAR BENDING DIAMETER SMALL BE & BAR DIAMETERS, EXCEPT THAT NO. 4 AB BARS MAY HAVE A MINIMUM BEND DIAMETER OF 4 BAR DIMMETERS. MINIMAN CONCRETE COVER SHALL BE AS SPECIFIED IN SECTION 603.5 OF THE STANDARD SPECIFICATIONS, EXCEPT WHERE NOTED ON THE PLANS.

#### PRESTRESSING STRANG

ALL PRESTRESSING STEEL SHALL BE 1/2" #, GRADE 270, 7 WIRE UNCOATED, LOW-RELAXATION STRAND MEETING THE REQUIREMENTS OF AASHTO 4203, SUPPLEMENT ST.

FALL BEAMS DESIGNED IN THESE STANDARDS UTILIZE STRANDS WITH A NOMINAL AREA OF 0.167 SQ. IN STRANDS WITH A ROWINGL AREA OF 0.153 SO, IN, IS PERMITTED FOR INDIVIDUAL OR ALTERNATE DESIGNS, MOWEVER THE DESIGNER IS ENCOURAGED TO USE THE LARGER STRAND FOR UNIFORMITY REASONS. IN NO CASES WILL STRESS-RELIEVED STRAND BE PERMITTED.

ALL STRANDS SHALL BE ENCLOSED INSIDE THE STIRRUP CAGE FOR THE FULL LENGTH

OF THE BEAM.

ALL EXPOSED PRESTRESSING STRAND AT EACH BEAM END SHALL BE SHOP COATED WITH A LIQUID COLD-APPLIED ELASTONERIC WATERPROOFING MEMBRANE, MATERIAL SHALL BE SONOSHIELD HLM 5000, MANUFACTURED BY DEGUSSA CHEMICALS OR APPROVED EQUAL.

. ALL CONCRETE USED IN MANUFACTURING PRESTRESSED CONCRETE BEAMS SHALL MEET THE REQUIREMENTS OF SECTION 803.6 OF THE STANDARD SPECIFICATIONS. DESIGN STRENGTHS SHALL WEET OR EXCEED THE MINIMUM VALUES SET FORTH IN

· ALL CONCRETE USED IN PARAPETS AND CURBS SHALL BE CLASS K CONCRETE.

#### ELASTONERIC BEARING PAOS

· ALL BEARING PAGE SHALL MEET THE APPLICABLE REQUIREMENTS AS SET FORTH IN SECTION 18.2 OF THE MASHID LINED BRIDGE CONSTRUCTION SPECIFICATIONS, 1988 EDITION WITH CURRENT INTERIMS. ALL BEARINGS SHALL BE STEEL REINFORCED LAMINATED BEARINGS.

. THE ELASTOMER MATERIAL SHALL BE DURD 60 WITH A MINIMAN LOW TEMPERATURE CRADE OF 3 (ZONE C).

-ALL STEEL REINFORCING SHALL WEET THE REQUIREMENTS OF AASHTO M270. GRADE 36.

#### QUARDRAIL GUARDRAIL POSTS TURING & INSERTS:

ALL M-BEAN GUARGRAIL AND ATTACHMENT HARDWARE SHALL BE IN ACCORDANCE WITH SECTION 22.4 OF THE STANDARD SPECIFICATIONS, GUARGRAIL AND STANDARD SPECIFICATIONS. GUARGRAIL POSTS, STRUCTURAL TURING, POST ATTACHMENT 22.4 OF THE STANDARD SPECIFICATIONS. INSERTS, AND HARDWARE SHALL WEET THE LISTED MATERIAL AND COATING SPECIFICATIONS:

|             | WATERIAL SPEC.   | COATING SPEC  |
|-------------|--|---|
|             | AASHTO M270, GR 35   | AASHTO MIII   |
|             | AUSHTO M27D, CR 36   | AASHTO NIII   |
| TS 814x3/16 | ASTN ASOO, GR 8  | AASHTO MIII   |
|             | AASHTO M270, GR 36   | AASHTO MIII   |
|             | ANTH AIGS USLIT STEELT   | AASHTO W232   |
|             | ASITH ASIG GOIS STEEL!   | AASHTO M232   |
|             |  | AASHTO M232   |
|             |  | AASHTO N232   |
|             |  | AASHTO M232   |
|             |  | AASHTO M232   |
|             |  | MASHTO H232   |
| "           |  | AASHTD N232   |
| ALL         | AASHTO N293  | AASH10 M232   |
|             | 祭。 #<br>PA" # x 8" LONG<br>PA" #<br>PA" # x 5" LONG<br>PA" # x 12" LONG<br>M" # x ALL LEN.<br>%" # | ØSSCRIPTION         MATERIAL SPEC.           W6225         AASHTO M270, GR 35           Y/2" * 7"         AMSHTO M270, GR 35           TS 8x4x3/15         ASTM ASOO, GR 8           C7x9,8         AASHTO M270, GR 36           V/2" * x 2½" with LEN.         ASTM ASOO USA, T SEEL!           X" * x 5" LONG         ASTM ASOB USA, T SEEL!           M/2" * x 5" LONG         ASTM ASOB USA, T SEEL!           M/2" * x 5" LONG         ASTM ASOB USA, T SEEL!           M/2" * x 5" LONG         ASTM ASOB USA, T SEEL!           M/2" * x 12" LONG         ASTM ASOB USA, T SEEL!           M/2" * x ALL LEN.         AASHTO M68 LIYPE I, MHI           ASHTO M68 LIYPE I, HHI         ASHTO M68 LIYPE I, HHI           ASHTO M69 LIGHT M68 LIYPE I, HHI         ASHTO M69 LICASS C |

#### WELDING:

. TACK WELDING OF REINFORCEMENT IS NOT PERHITTED, REINFORCING CAGES AND LUNGITUDINAL STEEL SHALL BE ADEQUATELY THEO WITH APPROVED MEANS TO PREVENT RACKING AND MISALIGHAENT.

ALL WELDING OF FABRICATED ITHUS. AS SHOWN IN THESE PLANS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF AASHTD/AWS 01.5, 2002.

#### POST-TENSIONING BARS:

POST - TENSIONING THREAD BARS SHALL BE ONE INCH DIAMETER, LOO KSI STEEL, AND SHALL CONFORM TO MASHTO M275, TYPE II. STEEL THREAD BARS SHALL BE DESIGNED TO ALLOW THE USE OF HEAVY HEX HUTS AND COUPLERS THAT THREAD ONTO THE END OF THE DEFORMATIONS, HEAVY HEX NUTS AND COUPLERS SHALL BE OF A DESIGN AND MATERIAL RECOMMENDED BY THE BAR MANUFACTURER TO DEVELOP THE FIAL TENSILE STRENGTH OF THE BAR, PROPERLY COCCUMENTED CERTIFIED MILL TEST REPORTS SHALL BE PROVIDED FOR EACH HEAT OF STEEL THREAD BARS.

2321-33/25-0.75

PROJECT HARRY

ALL POST-TENSIONING THREAD BARS, HUTS, BEARING PLATES, COUPLERS, AND ANGILLARY HARDWARE SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH AASHTO WILL THE CALVANIZING PLANT SHALL ADMINISTER ADEQUATE QUALITY CONTROL MEASURES. TO SAFEGUARD AGAINST HYDROCEN EMBRITILEMENT, QUALITY CONTROL MEASURES SHALL COMPLY WITH ASTM A-143. CERTIFICATION FOR HOT-GIP GALVANIZING SHALL BE PROVIDED BY THE GALVANIZING PLANT.

ALL POST-TENSIONING BEARING PLATES SHALL CONFORM TO MASHTO M270, CRADE 38.

#### SHEAR KEY CROUTS

SHEAR KEY GROUT SHALL BE A GROUT THAT IS RECOMMENDED BY THE MANUFACTURER FOR A POURABLE GROUT APPLICATION AND THAT BASED ON THE MANUFACTURER'S TEST DATA WILL ATTAIN A MINIMAN OF 4500 PSI COMPRESSIVE STRENGTH IN 3 DAYS UNDER CONDITIONS REPRESENTATIVE OF THE CONDITIONS TO BE EXPERIENCED AT THE SITE. THE GROUT MUST BE LISTED ON THE APPROVED LIST OF GROUTS PUBLISHED BY THE WEST VIRGINIA DIVISION OF HIGHWAYS, NATERIALS CONTROL, SOIL AND TESTING DIVISION. THE CONTRACTOR SHALL PRE-TEST THE PROPOSED GROUT FOR COMPRESSIVE STRENGTH AT 3 AND 7 DAYS AND SUBMIT THE RESULTS TO THE BRIDGE PROJECT MANAGER FOR APPROVAL PRIOR TO INSTALLATION OF THE GROUT IN THE STRUCTURE. THE TESTS WILL BE BASED ON A POURABLE CONSISTENCY WITH THE SAME WATER/GROUT MIXTURE RATIO TO DE USED IN THE

THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT FOR EACH PROJECT, THE GROUT PRE-TEST RESULTS OBTAINED IN THE HOTE ABOVE. THE CONTRACTOR SHALL BE REQUIRED TO PERFORM NEW PRE-TEST AND SUBMISSION FOR APPROVAL UNDER ANY OF THE FOLLOWING CONDITIONS:

. A PERIOD OF 18 MONTHS HAS ELAPSED SINCE LAST PRE-APPROVAL TESTING.

GROUT MANUFACTURER HAS REVISED OR CHANGED THE CROUT SPECIFICATIONS.

THE CONTRACTOR ALTERS THE WATER/CROUT MIXTURE RATIO.

. THE CONTRACTOR CHANGES GROUT MANUFACTURER.

- THE CONTRACTOR IS REQUIRED TO COMPLETE THE GROUT STRENGTH TABLE ON BR-8103.

TEST PROCEDURE FOR DETERMINING THE COMPRESSIVE STRENGTH OF GROUT SHALL USE CUSE SPECIMENS IN ACCORDANCE WITH ASTM CHOS, AS MODIFIED BY ASTM CHOS. GROUT TESTING IN ACCORDANCE WITH AASHTO 123 ISTANDARD CYLINDER TEST) IS NOT ACCEPTABLE.

#### PROTECTIVE SURFACE TREATMENTS

FACH PRESTRESSED CONCRETE BEAM SHALL BE TREATED BY THE MANUFACTURER AT THE FABRICATION PLANT WITH AN APPROVED CONCRETE SEALER ISSLANDS. AN APPROVED LIST OF CONCRETE SEALERS ARE ON FILE AT THE WEST VERGINIA DIVISION OF HIGHWAYS, MATERIALS CONTROL, SOIL AND TESTING DIVISION, COVERAGE SHALL INCLUDE TOP AND ECTION OF INTERIOR BEAGS, AND TOP, BOTTOM AND EXTERIOR SIDE OF EXTERIOR BEAG, APPLICATION RATE SHALL BE PER TREATMENT MANUFACTURER'S RECOMMENDATION.

. AFTER COMPLETION OF THE SILANE TREATMENT BY FABRICATOR AND A MAXIMUM OF FIVE WORKING DAYS PRIOR TO SHIPMENT OF THE BEAMS, THE FABRICATOR SHALL BE RESPONSIBLE FOR ABRASIVE BLAST CLEANING TO CLEAN WHITE CONCRETE THE INTERIOR SIDES OF BEAMS FOR THE FULL LENGTH. CLEAN WHITE CONCRETE SHALL MEAN REMOVAL OF ALL DIRT, GREASE, DIL, AND LOOSE CONCRETE CALLANCE AND PROVIDE A ROUGHENED CONCRETE SURFACE. BLASTING MEDIUM SHALL DE APPROVID BY THE DIVISION OF HIGHWAYS.

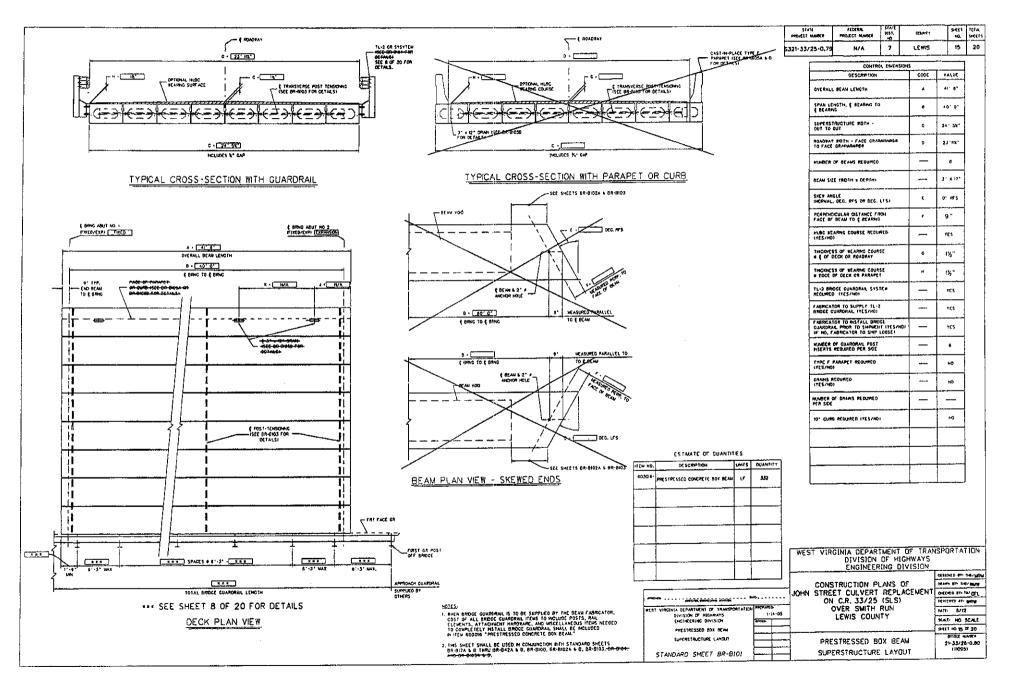
### SHOP DRAWINGS

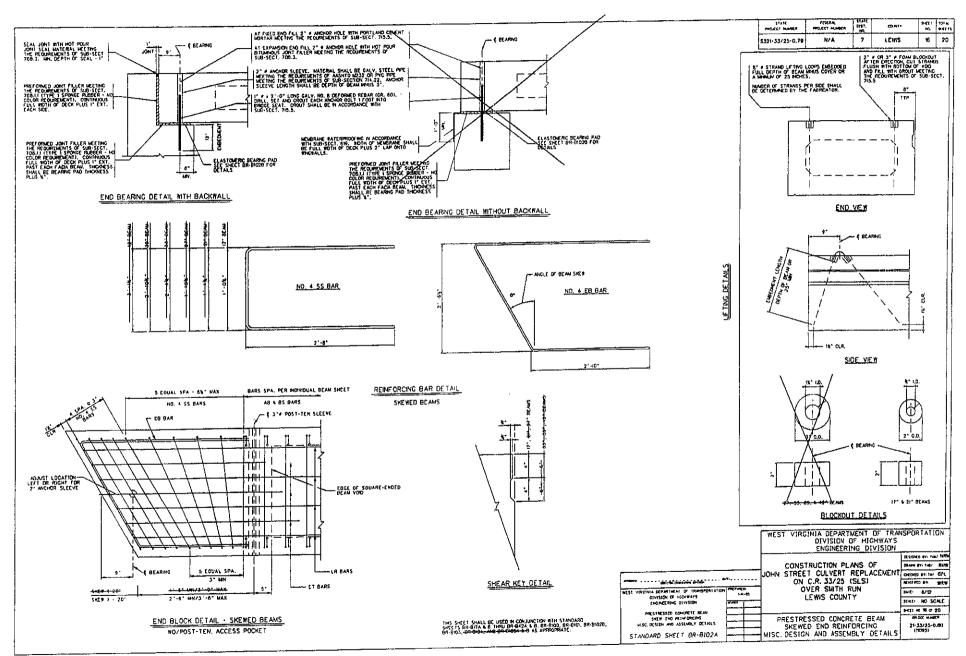
THE FABRICATOR SHALL BE RESPONSIBLE FOR THE PREPARATION OF SHOP DRAWINGS IN ACCORDANCE WITH THE WEST VIRGINIA DIVISION OF HIGHWAYS DOCUMENTS, DD-102 AND THE STANDARD SPECIFICATIONS. ADDITIONAL INFORMATION IS PROVIDED IN SECTION 7 OF THE BRIDGE DESIGN MUNUAL SHOP DRAWINGS SHALL INCLUDE THE FABRICATOR'S DETENSIONING PLAN,

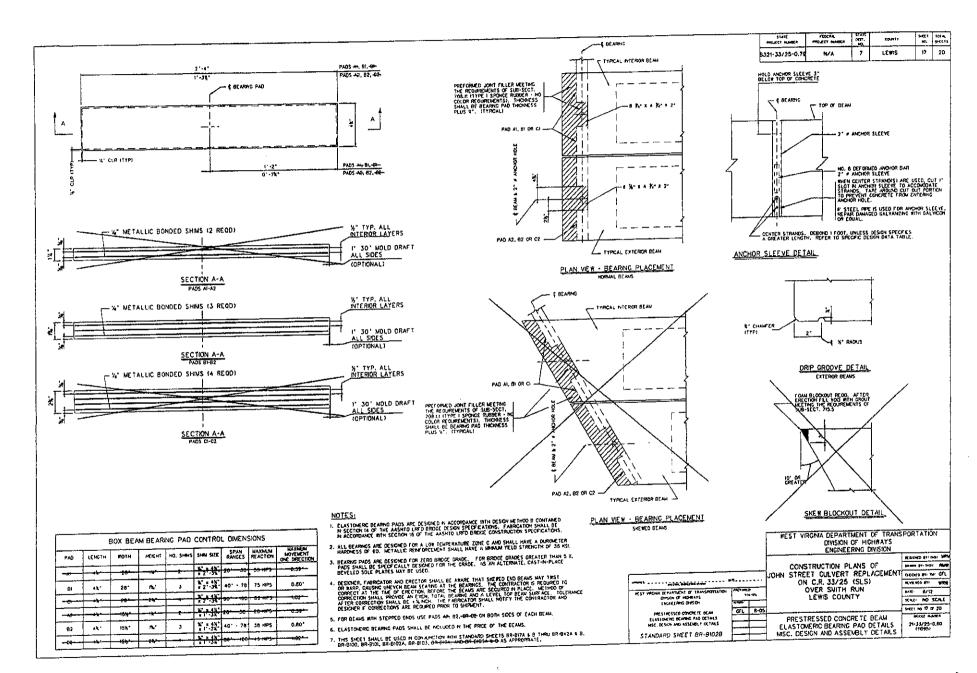
|  |         | WEST VIRGINIA DEPARTMENT OF TRA<br>DIVISION OF HIGHWAYS<br>ENGINEERING DIVISION | NSPORTATION  |  |
|--|---------|---|--|--|
|  |         |   | CONTROL OF THE SERVICE |  |
| perior profession and a  | ******* | CONSTRUCTION PLANS OF<br>JOHN STREET CULVERT REPLACEMENT<br>ON C.R. 33/25 (SLS) | <u> </u>   |  |
| WEST VIRGINIA DEPIATMENT OF TRANSPORTATION SEVISION OF HIGHWAYS CHOINETRING DIVISION | 1-14-05 | OVER SMITH RUN<br>LEWIS COUNTY  | DATE: 6/E  |  |
| PRESTRESSED CONCRETE BEAM DESIGN & ASSEMBLY NOTES                                    |         | PRESTRESSED CONCRETE BEAM   | 3-401 NO 14 SF 20<br>88000 NUMBER<br>21-53/25-0.00   |  |
| STANDARD SHEET BR-8100   |         | DESIGN & ASSEMBLY NOTES   | (#O95)   |  |

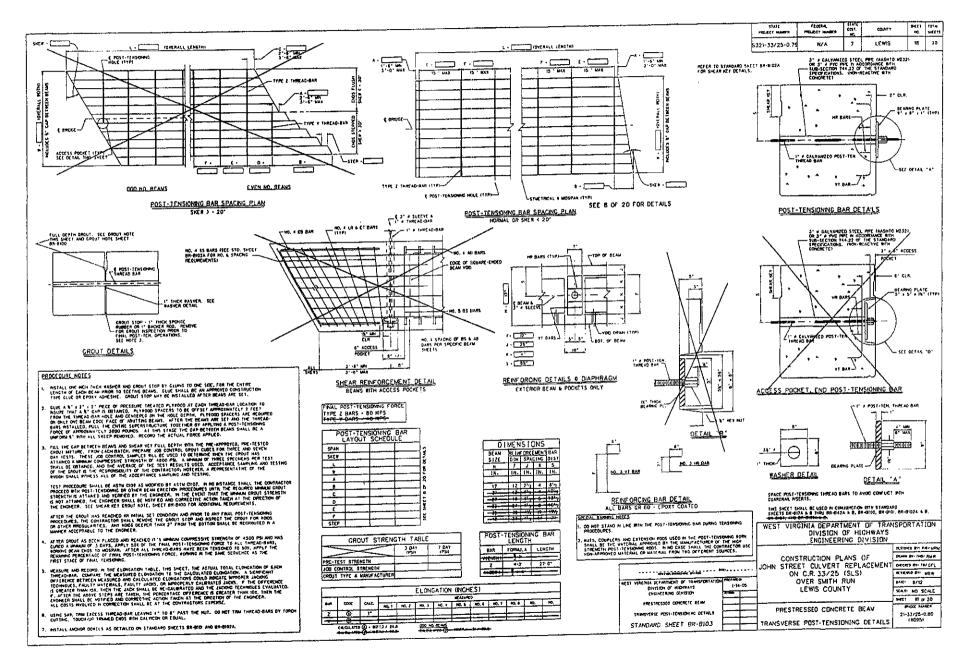
FOTAL SHEETS

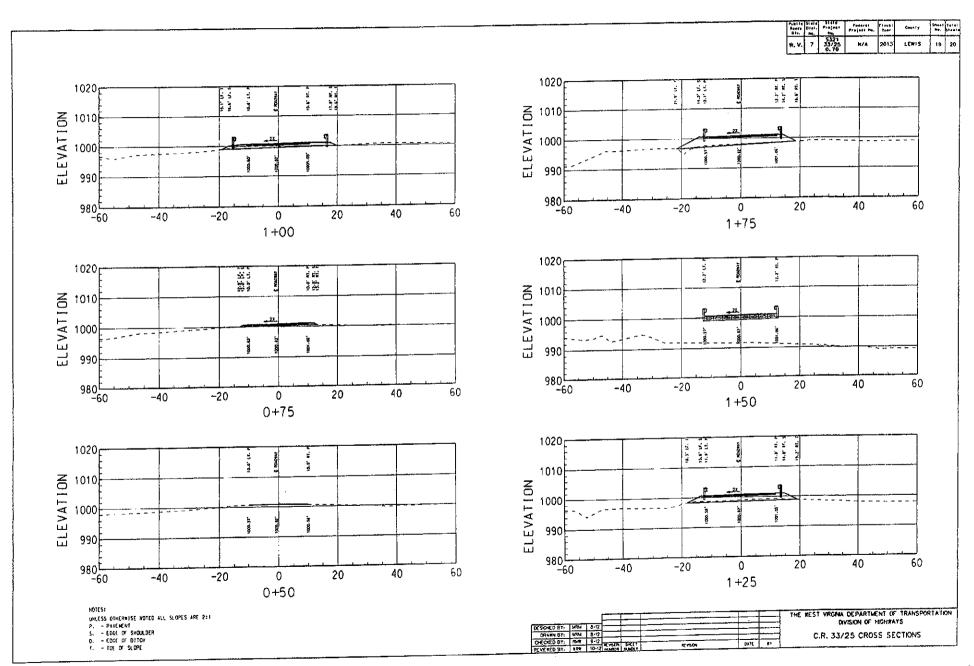
н 20

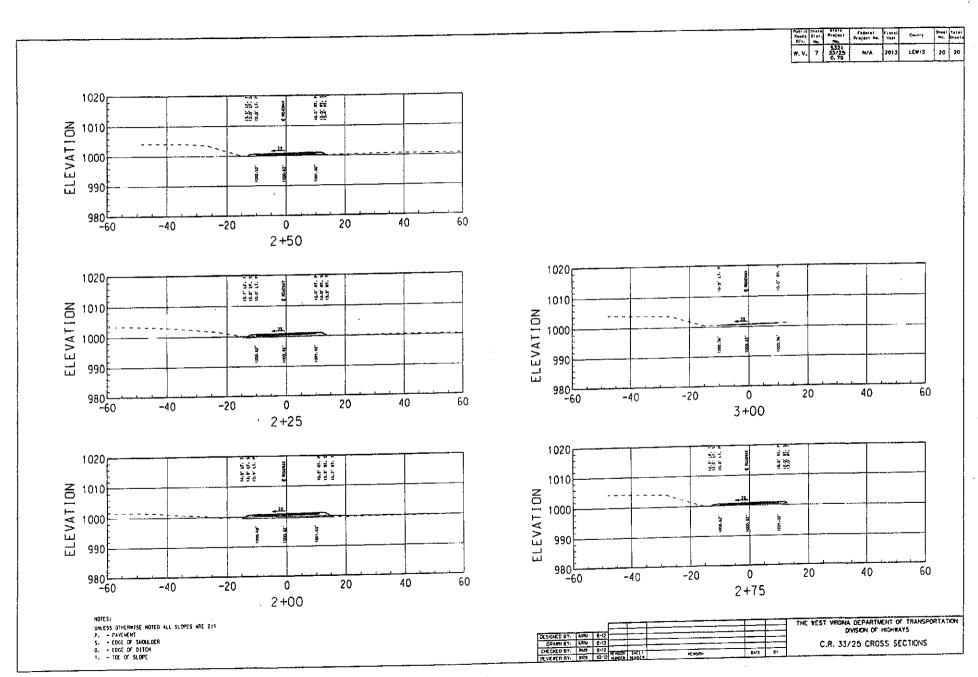












| Pricing Page   |            |                    |  |           |                |  |  |  |
|----------------|------------|--------------------|--|-----------|----------------|--|--|--|
| RFQ#: 07130866 |            |                    |  |           |                |  |  |  |
| Item<br>Number | Quantity   | Unit of<br>Measure | Description  | Unit Cost | Total          |  |  |  |
| 1              | 747        | Square Feet        | 17 inch Box Beams (Interior)<br>6 pieces - 3 feet 0 inches X 41 feet 6 inches              | +25.00    | \$ 18675.00    |  |  |  |
| 2              | 249        | Square Feet        | 17 inch Box Beams (Exterior) 2 pieces - 3 feet 0 inches X 41 feet 6 inches                 | +56.00    | \$ 13,944.00   |  |  |  |
| 3              | 4          | Each               | Elastomeric laminated bearing pads (B-2)<br>1-13/16 inch X 4-3/4 inches X 15-1/2 inches    | \$ 200.00 | \$ 800.00 -    |  |  |  |
| 4              | 14         | Each               | Elastomeric laminated bearing pads (B-1)<br>1-13/16" X 4-3/4 inches X 28 inches            | \$ 200.06 | \$ 2800.00     |  |  |  |
| 5              | 16         | Each               | Swedged anchor bolt or #8 deformed rebar<br>1 inch X 2 feet 0 inches                       | \$ 20.00  | \$ 320.00      |  |  |  |
| 6              | 27.6       | Each               | 2 inch thick sponge rubber preformed joint filler<br>6-5/8 inches X 25 feet 0 inches       | \$ 20.00  | \$ 552.00 _    |  |  |  |
| 7              | 4          | Each               | 2 inch thick sponge rubber preformed joint filler<br>6-7/8 inches X 4-3/4 inches           | \$ 20.00  | \$ 80.00 _     |  |  |  |
| 8              | 14         | Each               | 2 inch thick sponge rubber preformed joint filler<br>8-3/4 inches X 4-3/4 inches           | \$ 20.∞   | \$ 280.00      |  |  |  |
| 9              | 75         | Square Feet        | Bridge Rail<br>including inserts, hardware, posts, and<br>guardrail (see plans for detail) | \$ 200.00 | \$ 15,000.00   |  |  |  |
| 10             | 35         | Linear Feet        | Sponge rubber washer with 3-1/2 inch hole 8 inches X 8 inches X 1 inch thick               | \$ 20.00  | \$ 700.00.     |  |  |  |
| 11             | 10         | Each               | Post tension bearing plate 9 inches X 9 inches X 1 inch thick                              | \$50.∞    | \$ 500.00.     |  |  |  |
| 12             | 108        | Linear Feet        | 1 inch post tension bar with nuts<br>4 each - 27 feet 0 inches                             | \$ 20.00  | \$ 2160.00_    |  |  |  |
| 13             | : 4        | Linear Feet        | 6 feet 3 inches Asymmetrical Thrie beam transition section (Supplied but not attached)     | \$200.00  | \$ 800.00.     |  |  |  |
|                | Grand Tota | 1                  |  |           | \$ 56,611.00 _ |  |  |  |

3-18-13

## 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.

| <u>1.</u><br><u>人</u> | 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 the properties of the prope |
|-----------------------|--|
| 2 . /                 | 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. X                  | 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.<br>                | 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.  |
|                       | 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.  |
| requiren<br>against : | inderstands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the nents for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency cted from any unpaid balance on the contract or purchase order.  |
| authorize<br>the requ | nission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and es the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid ired business taxes, provided that such information does not contain the amounts of taxes paid nor any other information by the Tax Commissioner to be confidential.  |
| and acc               | enalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true curate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate is during the term of the contract, Bidder will notify the Purchasing Division writing immediately.   |
|                       | EASTERN VAULT Co., INC. Signed: 12 1   |

GENERAL MANAGER

RFQ No. 07130866

# 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 exceed 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: EASTERN VAULT                                   | Co. , Idc. |   |
| Authorized Signature:  | Date:      | 3-18-13                                   |
| State of WO  |            |   |
| County of, to-wit:   |            |   |
| Taken, subscribed, and sworn to before me this $\boxed{8}$ day | y of Manch | , 20_13                                   |
| My Commission expires 1-9-2015                                 | , 20       |   |
| AFFIX SEAL HERE  OFFICIAL SEAL NOTABLE DI IRI IC               | , , ,      | Purchasing Affidavit (Revised 07/01/2012) |

NOTE:

Vendor and Notary's date must be the same.

Notary required to AFFIX SEAL on Purchasing Affidavit.

STATE OF WEST VIRGINIA MICHELLE MORRELLO

NEW PEOPLES BANK 1221 STAFFORD DRIVE

PRINCETON, WV 24740 My commission expires July 7, 2015