



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

# Request for Quotation

RFQ NUMBER
09120355

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
ALAN CUMMINGS 304-558-2402

VENDOR

\*709042451      304-425-8955  
 EASTERN VAULT COMPANY INC  
 PO BOX 1134  
 PRINCETON WV 24740

SHIP TO

DIVISION OF HIGHWAYS  
 JOBSITE  
 SEE SPECIFICATIONS

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/14/2012				

BID OPENING DATE: 03/14/2012      BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	SF		210-16		\$ 88,838.40
<p>CONCRETE BEAMS, CHANNELS, PRESTRESSED</p> <p>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 PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO ALAN CUMMINGS IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA FAX AT 304-558-4115 OR VIA EMAIL AT ALAN.W.CUMMINGS@WV.GOV.</p> <p>DEADLINE FOR TECHNICAL QUESTIONS IS 02/29/12 AT THE CLOSE OF BUSINESS.</p> <p>ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM TO BE ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: .....</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p>						



SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE	Brian P. Struble	TELEPHONE	304-425-8955
TITLE	GENERAL MANAGER	DATE	3-10-12
FEIN	55-0520255	ADDRESS CHANGES TO BE NOTED ABOVE	

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

## GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
5. Payment may only be made after the delivery and acceptance of goods or services.
6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at [www.state.wv.us/admin/purchase/vrc/hipaa.html](http://www.state.wv.us/admin/purchase/vrc/hipaa.html) and is hereby made part of the agreement provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
14. **CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
15. **LICENSING:** Vendors 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, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will 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 the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

### INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



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	NO. 1 .....					
	NO. 2 .....					
	NO. 3 .....					
	NO. 4 .....					
	NO. 5 .....					
<p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY 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.</p> <p style="text-align: center;"> <i>Brian P. Struble</i>            .....            SIGNATURE            EASTERN VAULT Co., Inc.            .....            COMPANY            3-10-12            .....            DATE         </p> <p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.</p> <p>REV. 09/21/2009</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>Brian P. Struble</i>		3-10-12
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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<p><b>NOTICE</b></p> <p><b>A SIGNED BID MUST BE SUBMITTED TO:</b></p> <p><b>DEPARTMENT OF ADMINISTRATION</b>  <b>PURCHASING DIVISION</b>  <b>BUILDING 15</b>  <b>2019 WASHINGTON STREET, EAST</b>  <b>CHARLESTON, WV 25305-0130</b></p> <p><b>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</b></p> <p><b>SEALED BID</b></p> <p><b>BUYER: ALAN CUMMINGS - FILE 33</b></p> <p><b>RFQ. NO.: 09120355</b></p> <p><b>BID OPENING DATE: 3/14/2012</b></p> <p><b>BID OPENING TIME: 1:30 P.M.</b></p> <p><b>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:</b></p> <p style="text-align: center;">-----  <b>BRIAN P. STRUBLE</b>          -----</p> <p><b>CONTACT PERSON (PLEASE PRINT CLEARLY):</b></p>						

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				(304-425-1171) FAX		
ANY INDIVIDUAL SIGNING THIS BID IS CERTIFYING THAT: (1) HE OR SHE IS AUTHORIZED BY THE BIDDER TO EXECUTE THE BID OR ANY DOCUMENTS RELATED THERETO ON BEHALF OF THE BIDDER, (2) THAT HE OR SHE IS AUTHORIZED TO BIND THE BIDDER IN A CONTRACTUAL RELATIONSHIP, AND (3) THAT THE BIDDER HAS PROPERLY REGISTERED WITH ANY STATE AGENCIES THAT MAY REQUIRE REGISTRATION.						
***** THIS IS THE END OF RFQ 09120355 ***** TOTAL:						\$ 88,838.40

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## Specifications

Purpose: To establish a purchase order for concrete box beams

### 1.0 DEFINITIONS

- A. The "Agency" shall be defined as the West Virginia Division of Highways
- B. The "Vendor" shall be defined as the successful bidder.
- C. The "Purchase Order" shall be defined as the binding agreement that is entered into between the State of West Virginia and the Vendor to provide the services as herein specified.
- D. "Mandatory Requirements: The terms "must", "will", "shall", "minimum", "maximum", or "is/are required" identify a mandatory item or factor. Decisions regarding compliance with any mandatory requirements shall be at the sole discretion of the State.

### 2.0 SCOPE OF WORK

The successful Vendor shall provide concrete box beams for Paint Creek Bridge replacement

#### 2.1 Technical Requirements:

The vendor shall provide the materials including delivery to the project site. Materials supplied under this contract shall meet the applicable requirements of the West Virginia Dept of Transportation, Division of Highways Standard Specifications Roads and Bridges and the current Supplemental Specifications. Specifications are available on the following website:  
[www.transportation.wv.gov/highways/engineering/Pages/publications.aspx](http://www.transportation.wv.gov/highways/engineering/Pages/publications.aspx)

#### 2.2 Freight

2.2.1 All shipments are to be FOB Destination

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2.2.2 The vendor shall be responsible for all costs associated with delay to delivery to job site.

### 2.3 Delivery

2.3.1 The above materials are to be delivered to:

Rt 23 MP 8.37  
Fayette County

2.3.2 Call Adrian Lusk @ 304-647-7829 with any questions.

2.3.3 Call Adrian Lusk 24 hours prior to delivery @ 304-647-7829

## 3.0 INVOICING

### 3.1 Payment

3.1 The Vendor must send an invoice to:

WV Dept of Transportation-Division of Highways  
146 Stonehouse Rd  
Lewisburg, WV 24901

### 3.2 Partial Payment of Approved Beams

3.2.1 Upon completion of manufacture and approval by the Division of Highways of all beams specified on an individual Requisition Purchase Order (RPO), the vendor may invoice and the Division will pay for the cost of manufacturing the beams, not to

exceed 65% of the total cost of the delivered beams. The remaining 35% or more may be invoiced when all the beams are delivered. Partial payment for beams shall be subject of the following conditions:

- a. The vendor must request partial payment and furnish an official invoice for the manufactured and approved beams.

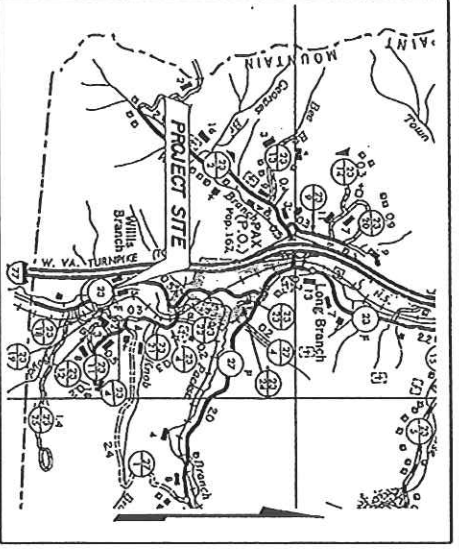
#### **4.0 AWARD**

Purchase order will be awarded to the lowest responsible bidder meeting specifications, complete and not split



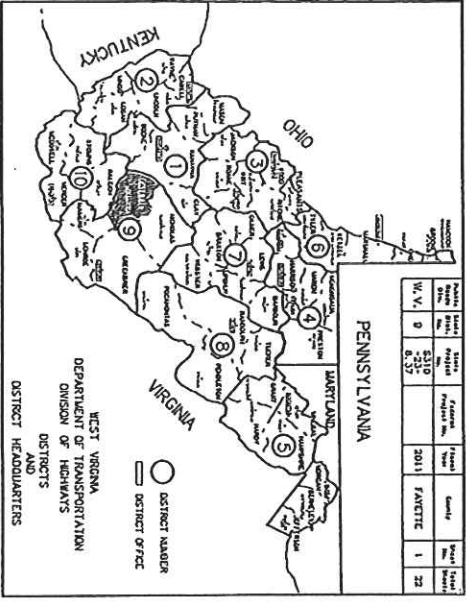
**Cost Sheet**  
**RFQ#: 09-12-0355**

Item Number	Quantity	Unit of Measure	Description	Unit Price	Extended amount
1	345	linear ft	6 interior LRFD prestressed concrete box beams (57'6" long x 3' wide x 27" deep)--2 beams with access pockets per plans	\$ 88.00	\$ 30,360.00
2	115	linear ft	2 exterior LRFD prestressed concrete box beams (57'6" long x 3' wide x 27" deep) w/ 10 sets type TL-2 GR inserts & GR posts per beam INSTALLED	\$ 187.00	\$ 21,505.00
3	129.167	linear ft	2 sets type TL-2 GR system INSTALLED--total length of guardrail per plans=129' 2"	\$ 200.00	\$ 25,833.40
4	4	each	4 post tensioning bars (1" diameter x 27' long) with two 9" x 9" bearing plates and two hex nuts per bar	\$ 1,555.00 BPF	\$ 6,220.00 BPF
5	2	each	2 post tensioning bars (1" diameter x 15' long) with one 9" x 9" x 1" bearing plate, one 5" x 5" x 11/4" bearing plate and two hex nuts per bar	\$ 500.00	\$ 1,000.00
6	14	each	14 elastomeric bearing pads (4 3/4" x 28" x 1 13/16") with 3 shims each (1/16" x 4 1/2" x 27 3/4")	\$ 200.00	\$ 2,800.00
7	4	each	4 elastomeric bearing pads (4 3/4" x 15 1/2" x 1 13/16") with 3 shims each (1/16" x 4 1/2" x 15 1/4")	\$ 200.00	\$ 800.00 BPF
8	16	each	16 anchor rods (1" diameter x 2' long) grade 60-galvanized	\$ 20.00	\$ 320.00
			Total Amount		\$ 88,838.40 BPF

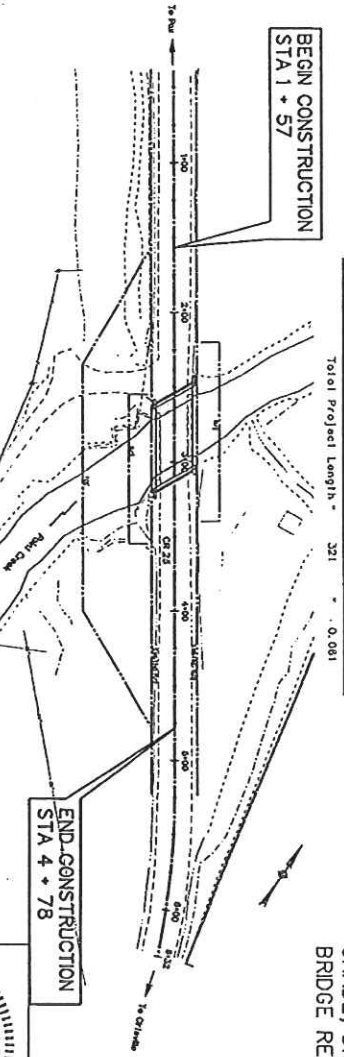


**WEST VIRGINIA**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PLANS FOR CONSTRUCTION**  
 OF  
**STATE HIGHWAY**  
 FEDERAL PROJECT NO. S310-23-8-37  
 ROUTE NO. CR 23  
 PLATEAU DISTRICT  
 FAYETTE COUNTY

**PAINT CREEK BRIDGE REPLACEMENT**



Station	Station	1.1.	mi (eas)		
Roadway 1-57	10	2-53	.96	0.018	
Dr 149a	2-93	10	3-13	.60	0.011
Roadway 3-13	10	4-78	.85	0.031	
Total Project Length -			321	.081	



**TYPE OF CONSTRUCTION**  
 GRADE, DRAIN & PAVE  
 BRIDGE REPLACEMENT \*10942



- DESIGN DESIGNATION**
- A, D, T (2009) 2, 1489  
 A, D, T (2009) 2, 1798  
 O, H, V  
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**CONVENTIONAL SIGNS**

NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SIGNS
3	PLAN SHEETS
4	PROPOSED GRADE
5	PROPOSED ELEVATION
6	ROAD PLAN
7	ADJUSTMENT & MODIFICATIONS
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**NECK TO SHEETS**

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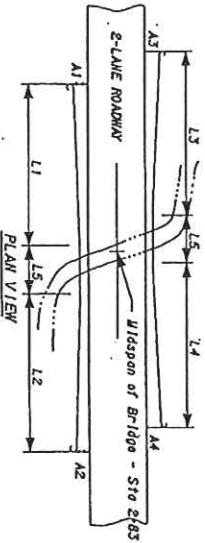
PROJECT NO. S310-23-8-37

**KARL D. ALLENBERG**  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF WEST VIRGINIA  
 17412

SCALE: K. Day  
 RESPONSIBLE CHAISENER  
 DATE: 11/7/2011

RECOMMENDED BY:   
 DISTRICT ENGINEER  
 DISTRICT NO. 1

RECOMMENDED FOR APPROVAL:   
 DISTRICT MANAGER



GUARDRAIL LENGTHS (FT.)	CLASS	FET/ET OR BUF	OFFSET FROM PAVEMENT
L1	25'	111	BUF
L2	25'	111	BUF
L3	25'	111	BUF
L4	25'	111	BUF

Note 1 - Four foot (4)ft. based on field conditions as approved by the Engineer.

Minimum lengths of L1, L2, L3, and L4 are 25' unless special circumstances are encountered. Heavy Intersections may require shorter lengths and/or curved installations. Refer to Roadside Design Guide to determine point of theoretical need. Length adjustments may be made as per the general notes on Standard GR9.

Anchorers are to be expanding steel type as manufactured by Phillips Red Head, Hilli Fastening Systems, Holly Portland or equal as approved by the Engineer.

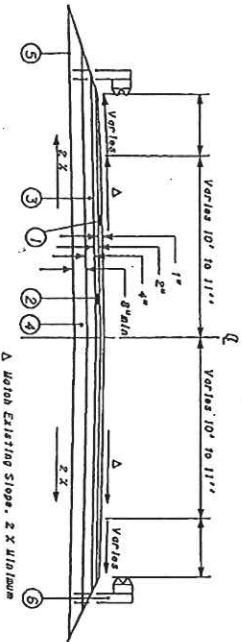
Testing requirements for the bolts and steel angles are waived.

Guardrail to be attached to the structure at a maximum of 6' 3" post spacing along the entire length. All bolts, nuts, washers and plates are to be galvanized and meet strength requirements of similar items as depicted in the Standards.

L1, L2, L3 and L4 to have a minimum length of 25' with the post spacing for the first 18'-9" as per standard sheet GR9.

See Framing Plan and Framing Details for additional guardrail requirements on bridge.

**Typical Guardrail Layout**  
(no scale)



**Typical Approach Roadway**  
(no scale)

**LEGEND**

- ① ITEM 401002-001, HOT-MIX ASPHALT WEARING COURSE, STONE OR GRAVEL, TYPE 1
- ② ITEM 401001-001, HOT-MIX ASPHALT BASE COURSE, STONE OR GRAVEL, TYPE 2
- ③ ITEM 401001-001, HOT-MIX ASPHALT BASE COURSE, STONE OR GRAVEL, TYPE 1
- ④ ITEM 307001-000, AGGREGATE BASE COURSE, CLASS 1
- ⑤ ITEM 607002-000, SUBGRADE
- ⑥ ITEM 607001-001, TYPE 1 GUARDRAIL, CLASS 111

PROJECT NO.	10942
DATE	2011
REVISED DATE	2011
REVISION	2
DRAWN BY	AA
CHECKED BY	AA

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PAINT CREEK BRIDGE**  
OVER  
**PAINT CREEK**  
ON  
**COUNTY ROUTE 23**

**TYPICAL SHEET**

DESIGNER	KD
ENGINEER	DLC
CHECKER	ABL
DATE	7/20/09
SCALE	NONE
PROJECT NO.	2 of 22
DRAWING NUMBER	10942

# GENERAL NOTES

Project No.	1001000000	Project Title		
Sheet No.	0	Sheet Total	3	12
W. V. No.	0	2011	FAVETTE	

## GOVERNING SPECIFICATIONS

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, ADOPTED 2010, AS AMENDED BY WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS AND SUPPLEMENTAL SPECIFICATIONS, DATED JANUARY 1, 2011, THE CONTRACT DOCUMENTS AND THE CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT STANDARD DETAILS.

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD DETAILS BOOK, VOLUME I, DATED JANUARY 1, 2000 & VOLUME II, DATED JANUARY 1, 1994, AND VOLUME III, DATED AUGUST 1, 1999 SHALL APPLY TO THIS PROJECT. REVISED STANDARD DRAWINGS LISTED IN THE TABLE ON THIS SHEET WITH THEIR CORRESPONDING DATE SUPERSEDE THE AFOREMENTIONED STANDARD DETAILS. STANDARD DETAILS DRAWINGS CAN BE FOUND AT <http://www.transportation.wv.gov/contracts/standard/updates/publications.aspx>

## ASAP PLANS

THESE PLANS WERE DEVELOPED UNDER AN ACCELERATED PROGRAM IN WHICH THE QUANTITIES, CROSS SECTIONS AND OTHER DETAILS ARE NOT INCLUDED. IT IS INTENDED THAT ANY DETAILS THAT NEED CLARIFICATION DURING CONSTRUCTION OR ANY CHANGES PROPOSED BY THE CONTRACTOR BE SIGNED BY A LICENSED ENGINEER AND SUBMITTED TO THE WV DOH FOR REVIEW. THE COST OF ANY APPROVED DETAILS OR CHANGES ARE INCLUDED IN THE LUMP SUM BID FOR THIS PROJECT.

## SCOPE OF WORK

AREA OF WORK REQUIRED FOR THIS PROJECT WILL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING ITEMS:

1. FINAL ROADWAY ELEVATIONS, PROVIDED TO THE ENGINEER
2. FINAL BRIDGE ELEVATIONS - PER PLANS
3. DRAINAGE INCLUDING SEDIMENT AND EROSION CONTROL
4. CONSTRUCTION
5. UTILITY COORDINATION
6. PERMIT ACQUISITION
7. TRAFFIC CONTROL.

## PERMITS

ALL PERMITS AS REQUIRED BY THE US ARMY CORPS OF ENGINEERS (USACE), WV DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) AND THE US COAST GUARD SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN. THE CONTRACTOR SHALL PREPARE ALL PERMITS READY FOR SUBMISSION TO THE APPROPRIATE AGENCIES AND SHALL IDENTIFY THE WYDOT/WDOR AS THE OWNER AND THE CONTRACTOR AND THE WYDOT SHALL BE IDENTIFIED AS CO APPLICANTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL APPLICATION FEES AND ANY FINES THAT MAY BE INCURRED. ALL COMPLETED APPLICATIONS SHALL BE SUBMITTED TO THE ENGINEERING DIVISION, TECHNICAL SECTION FOR REVIEW AND FURTHER SUBMISSION TO THE APPROPRIATE AGENCY.

THERE IS A 60 DAY TIME FRAME ALLOWED FOR THE PURPOSE OF OBTAINING PERMITS. ANY ADDITIONAL TIME CAN BE GRANTED IN THE FORM OF NON-COMPENSABLE TIME.

USACE (404) - MS. SARAH WORKMAN (304) 998-5710  
 WYDOT (403) - MS. NYLE BARNETT (304) 976-0995  
 WYDEP (403) - MS. BELLE TRAMERMAN (304) 976-0995  
 WYDOER, BUREAU FOR PUBLIC HEALTH, OFFICE OF ENVIRONMENTAL HEALTH SERVICES (WATER SEWER RELOCATION) - MR. WILLIAM HEROLD (304) 558-2381

## UTILITIES

UTILITIES HAVE BEEN LOCATED BY FIELD OBSERVATION ON THE CURRENT RIGHT OF WAY PLAT BUT IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS NECESSARY TO CONSTRUCT THE PROJECT. ONCE THE CONTRACTOR HAS DETERMINED THE EXTENT OF THE RELOCATIONS, RELOCATION PLANS SHALL BE PROVIDED TO THE DISTRICT UTILITY COORDINATOR AT WHICH TIME RELOCATIONS SHALL BE ACCOMPLISHED AS PER DIVISION POLICY. NO ADDITIONAL COMPENSATION WILL BE MADE BY THE DOH DUE TO THE CONTRACTORS COORDINATION OR THE LACK THEREOF WITH AFFECTED UTILITIES.

THERE IS A 60 DAY TIME FRAME ALLOWED FOR THE PURPOSE OF RELOCATING UTILITIES. ANY ADDITIONAL TIME CAN BE GRANTED IN THE FORM OF NON-COMPENSABLE TIME.

RELOCATED UTILITIES ADVERSELY AFFECTED BY THE CONTRACTORS VE PROPOSAL SHALL BE ACCOMMODATED/RELOCATED AT THE EXPENSE OF THE CONTRACTOR. NO ADDITIONAL COMPENSATION SHALL BE GIVEN.

## DRAINAGE

ALL CULVERTS, INLETS, AND OTHER DRAINAGE ITEMS ON THIS PROJECT HAVE BEEN LOCATED AS AVAILABLE INFORMATION ALLOWS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE EXACT LOCATION AND ELEVATION OF ALL DRAINAGE ITEMS AND MAKE ANY NECESSARY ADJUSTMENTS IN THE FIELD TO INSURE PROPER DRAINAGE. AFTER REVIEW BY THE PROJECT ENGINEER, THE CONTRACTOR SHALL MAINTAIN WORKING STORM DRAINAGE SYSTEMS THROUGHOUT THE WORK AREA AT ALL TIMES DURING CONSTRUCTION. THE WORKING SYSTEM MAY CONSIST OF THE EXISTING STORM DRAINAGE SYSTEM, THE PROPOSED STORM DRAINAGE SYSTEM OR A COMBINATION THEREOF. THE CONTRACTOR SHALL EXERCISE CARE WHEN WORKING NEAR EXISTING DRAINAGE STRUCTURES (PIPES, INLETS, ETC.). ANY DAMAGES RESULTING FROM THE CONTRACTORS NEGLIGENCE TO EXISTING STRUCTURES WHICH ARE TO REMAIN IN PLACE WILL BE REPAIRED OR REPLACED AT THE CONTRACTORS EXPENSE.

## RIGHT OF WAY

DOH WILL BE RESPONSIBLE FOR OBTAINING THE RIGHT OF WAY AS DEPICTED IN THE MOST RECENT RIGHT OF WAY WAY PLAT, WHICH IS INCLUDED WITH THE BID DOCUMENTS. DOH INTENDS TO MAKE ALL THE RIGHT OF WAY AVAILABLE BY THE NOTICE TO PROCEED.

## ASBESTOS REPORT

IT WILL BE THE WYDOT RESPONSIBILITY TO VERIFY AN ASBESTOS REPORT HAS BEEN PERFORMED PRIOR TO BUILDING AND/OR STRUCTURE DEMOLITION.

## FERTILIZER, SEEDING AND MULCHING

ALL DISTURBED SOIL AREAS ARE TO BE SEEDED, MULCHED AND FERTILIZED. SEEDING, MULCHING AND FERTILIZING WILL BE AS SPECIFIED IN SECTION 642 AND SECTION 652 OF THE STANDARD SPECIFICATIONS.

## FISH SPAWN

IN STREAM WORK MAY NOT BE PERMISSIBLE DURING THE WARM WATER FISH SPAWNING SEASON, APRIL 1 THROUGH JUNE 30 OR DURING THE COLD WATER FISH SPAWNING SEASON, SEPTEMBER 15 THROUGH FEBRUARY 28. AN EXCEPTION MAY BE AUTHORIZED BY THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF WATER AND WASTE MANAGEMENT, AND THE DEPARTMENT OF NATURAL RESOURCES, WILDLIFE RESOURCES SECTION. THE CONTRACTOR IS CAUTIONED TO REVIEW THE CONDITIONS OF THE PERMIT WHEN ISSUED AND IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY WAIVERS.

FOR INFORMATION CALL:  
 COLD WATER FISH SPAWNING (304) 637-0945  
 WARM WATER FISH SPAWNING (304) 558-2771

## GUARDRAIL REMOVAL

ALL GUARDRAIL REMOVED THAT IS NOT RESET SHALL BE INCLUDED IN CLEARING AND GRUBBING AND SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

## STREAM RELOCATION

IF NECESSARY, CONSTRUCTION SHALL BEGIN ON THE STREAM CHANNEL RELOCATION AS ONE OF THE FIRST ITEMS OF WORK, WITH SEEDING WORK COMMENCING AS SOON AS PRACTICABLE. CONTRACTOR SHALL NOT DIVERT WATER INTO THE RELOCATED STREAM CHANNEL UNTIL ADEQUATE COVER HAS BEEN ESTABLISHED.

DRAWING	REVISION DATE

# GENERAL NOTES

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PROJECT NO.	1001000000	PROJECT TITLE		
SHEET NO.	0	SHEET TOTAL	3	12
		DATE	BY	
REVISION				

**GENERAL NOTES**

Project No.	2310	Project Name	2011	County	FAKETE	Sheet No.	4	Total Sheets	22
W-V	0	Revision No.	0.37						

**USGS BENCHMARK**

IF ENCOUNTERED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE USGS BENCHMARK ON THIS PROJECT. CONTACT THE NATIONAL GEOLOGICAL SURVEY VIA TELEPHONE (1-800-245-2506) FOR A PROCEDURAL MANUAL PRIOR TO DISTURBANCE.

**WASTE MATERIAL**

ALL MATERIAL REMOVED AND NOT REUSED IN THE CONSTRUCTION OF THE PROJECT WILL BE REMOVED FROM THE PROJECT AND DISPOSED OF BY THE CONTRACTOR. NO WASTE EXCAVATION MATERIAL SHALL BE PLACED IN THE 100 YEAR FLOOD PLAIN.

**CONCRETE (CAST-IN-PLACE)**

CONCRETE SHALL BE CURED IN ACCORDANCE WITH SUBSECTION 601.12 OF THE STANDARD SPECIFICATIONS. IF USED, POLYETHYLENE COATED BURLAP SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 707.5 OF THE STANDARD SPECIFICATIONS. THE MINIMUM COVERING, MEASURED FROM THE SURFACE OF THE CONCRETE TO THE FACE OF ANY REINFORCING STEEL BAR, SHALL BE 3 INCHES IF THE CONCRETE IS IN CONTACT WITH THE GROUND SURFACE AND 2 INCHES OTHERWISE.

**DESIGN/NEW STRUCTURES - STANDARD BRIDGE PLANS OR EQUIVALENT**

THE CONTRACT PLANS HAVE BEEN DEVELOPED AS PER CURRENT DIVISION POLICY. THE CONTRACTOR SHALL RESTORE IN AS ACCEPTABLE MANNER ALL PROPERTY, BOTH PUBLIC AND PRIVATE, WHICH HAS BEEN DAMAGED DURING THE PROSECUTION OF WORK AND SHALL LEAVE THE SITE IN A NEAT AND PRESENTABLE CONDITION. PRIVATELY OWNED TREES, SHRUBS, AND FENCES SHALL BE REMOVED, STORED, AND RESET OR REPLACED BY THE CONTRACTOR.

**DISMANTLING STRUCTURE**

THE CONTRACTOR SHALL DISMANTLE AND REMOVE THE EXISTING STRUCTURE IN ACCORDANCE WITH SECTION 203 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS. THE DEMOLITION/DISMANTLING PLANS SHALL BE PROVIDED TO THE DISTRICT BRIDGE ENGINEER AT LEAST SEVEN DAYS PRIOR TO BEGINNING ANY DEMOLITION/DISMANTLING WORK. RECEIPT OF THE DEMOLITION/DISMANTLING PLANS DOESN'T RELIEVE THE CONTRACTOR OF HIS/HER RESPONSIBILITY TO SATISFACTORILY DEMOLISH/DISMANTLE THE STRUCTURE SPECIFIED. THE DEMOLISH/DISMANTLED STRUCTURE SHALL BECOME THE PROPERTY OF THE CONTRACTOR, EXCEPT AS NOTED ON PLANS AND WITH THE EXCEPTION OF THE BRIDGE PLATES, WHICH SHALL BE REMOVED FROM THE PROJECT SITE IN AN APPROVED MANNER AND TURNED OVER TO THE ENGINEER.

**REINFORCING STEEL BARS**

ALL REINFORCING STEEL BARS SHALL BE INTERMEDIATE GRADE BILLET STEEL, GRADE 60 IN ACCORDANCE WITH SUBSECTION 709.1 OF THE STANDARD SPECIFICATION. THE REQUIREMENT OF SECTION 802 OF THE STANDARD SPECIFICATIONS SHALL BE FOLLOWED. THE MINIMUM SPICE LENGTH OR DOWEL BAR EMBEDMENT SHALL BE 30 BAR DIAMETERS. REINFORCEMENT UNDER THE SHOES OR OTHER BEARING DEVICE SHALL BE SO PLACED SO AS TO AVOID INTERFERENCE WITH DRILLING OF ANCHOR BOLT HOLES.

**SUBSTRUCTURE CONCRETE (CAST-IN-PLACE)**

ALL CONCRETE IN THE SUBSTRUCTURE SHALL BE CLASS B, AIR ENTRAINED. CHAMFER ALL EXPOSED EDGES OF THE SUBSTRUCTURE CONCRETE 1 INCH, EXCEPT FOR THE ABUTMENT CURBS, WHICH SHALL BE CHAMFERED 1/4 INCH. THE EXPOSED SURFACE OF THE SUBSTRUCTURE SHALL BE CLASS 1, ORDINARY SURFACE FINISH IN ACCORDANCE WITH 601.11.1 OF THE STANDARD SPECIFICATIONS, EXCEPT FOR THE ABUTMENT CURBS AND WING WALLS, WHICH SHALL BE CLASS 2 RUBBED FINISHED IN ACCORDANCE WITH SUBSECTION 601.11.2 OF THE STANDARD SPECIFICATION. FILL ANCHOR BOLT HOLES WITH NON-SHRINK GROUT AFTER ANCHOR BOLTS ARE SET. THE NON-SHRINK GROUT SHALL BE PROVIDED FROM AN APPROVED SOURCE.

**PILING**

PILING SHALL BE 40 KSI STEEL AND SHALL BE INSTALLED PER SECTION 616 OF THE SPECIFICATIONS. PRE-DRILLING MAY BE UTILIZED PROVIDED DIVISION POLICY CRITERIA IS MET. THE PILE DRIVING EQUIPMENT SHALL DELIVER A MINIMUM ENERGY OF 15,000 FT-LBS PER BLOW. REFUSAL IS DEFINED AS 20 BLOWS PER INCH OF PENETRATION WITH A HAMMER RATED AT 15,000 FT-LBS PER BLOW.

**TEMPORARY BRIDGE**

THE CONTRACTOR SHALL ERECT AND MAINTAIN A TEMPORARY BRIDGE AT THE LOCATION SHOWN ON THE PLANS PRIOR TO CLOSING THE EXISTING BRIDGE. IT SHALL BE MAINTAINED UNTIL THE NEW BRIDGE IS OPEN TO TRAFFIC. THE BRIDGE LENGTH SHALL BE DETERMINED BY APPLYING THE FOLLOWING MINIMUM SUPERSTRUCTURE ELEVATION AND NET WATERWAY OPENING.

THE TEMPORARY BRIDGE SHALL BE PLACED SO AS THE LOWER CHORD MATCHES THE EXISTING STRUCTURE TO THE EXTENT PRACTICAL.

A MINIMUM NET WATERWAY OPENING SHALL MATCH EXISTING TO THE EXTENT PRACTICAL.

THE STRUCTURE SHALL BE DESIGNED FOR HL-93 LIVE LOADING. THE USE OF USED MATERIAL IS ACCEPTABLE. SUCH MATERIAL SHALL BE INSPECTED VISUALLY AND ACCEPTED BY THE ENGINEER PRIOR TO ITS USE. THE DESIGN AND PLANS FOR THE TEMPORARY STRUCTURE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE BEGINNING CONSTRUCTION. IF THE PLANS AND CALCULATIONS SUBMITTED FOR REVIEW ARE NOT SATISFACTORY TO THE ENGINEER, THE CONTRACTOR SHALL MAKE SUCH CHANGES IN THEM AS MAY BE REQUIRED.

**MAINTENANCE OF TRAFFIC**

ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MANUAL ON TRAFFIC CONTROL FOR STREETS AND HIGHWAYS, 2006 EDITION. THE TRAFFIC CONTROL CASE SHALL BE AS PROVIDED IN THE PLAN NOTES.

THE TRAFFIC CASE TO BE UTILIZED FOR THIS PROJECT IS CASE A12.

**BACKFILL AND DRAINAGE**

ALL BACKFILL PLACED AROUND ABUTMENTS, WINGWALLS, FOOTINGS AND PILE CAPS OR PLACED UNDER ROADWAYS SHALL BE SELECT BACKFILL WHICH CONFORMS TO THE REQUIREMENTS OF SECTION 212.2 OF THE STANDARD SPECIFICATIONS AND IS PLACED IN ACCORDANCE WITH SECTION 212.10.

DRAINAGE STRUCTURES ARE TO BE INSTALLED BEHIND ABUTMENTS AND WINGWALLS AND SHALL BE IN ACCORDANCE WITH SECTION 212.9 OF THE STANDARD SPECIFICATIONS.

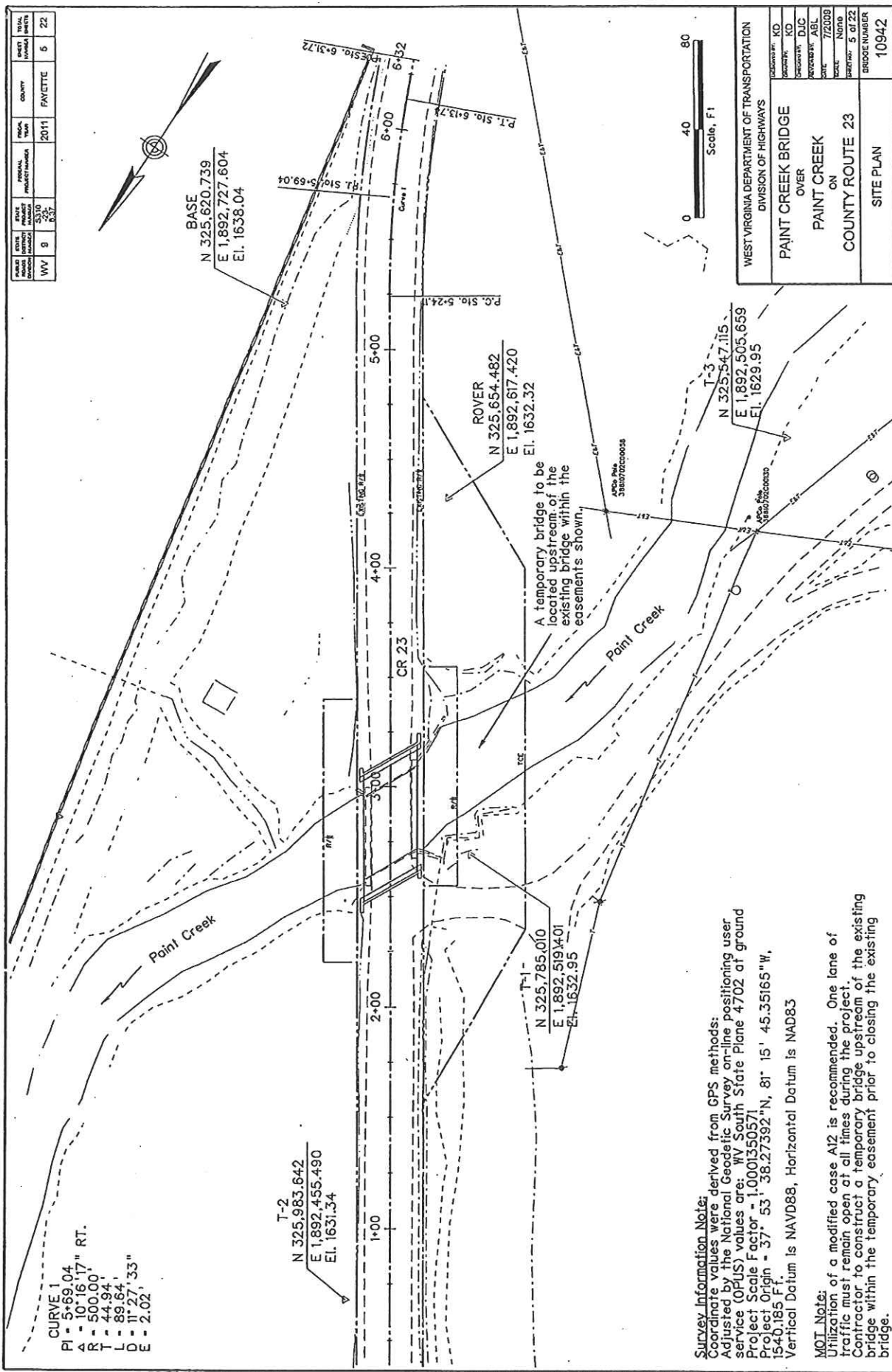
**FOUNDATION PROTECTION**

FOUNDATION PROTECTION SHALL BE PER SPECIFICATION SECTION 218.4 EXCEPT THAT THE MAXIMUM ROCK SIZE SHALL NOT EXCEED 18" IN ANY ONE DIMENSION. THE FOUNDATION PROTECTION SHALL EXTEND PERPENDICULAR FROM THE ABUTMENTS AND WINGWALLS TO THE OHW AND THE ROCK LAYER SHALL BE AT LEAST 18" THICK. THE DETERMINATION OF THE OHW SHALL BE MADE BY WYDOH FIELD PERSONNEL.

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**GENERAL NOTES**

NO.	REVISION	DATE	BY

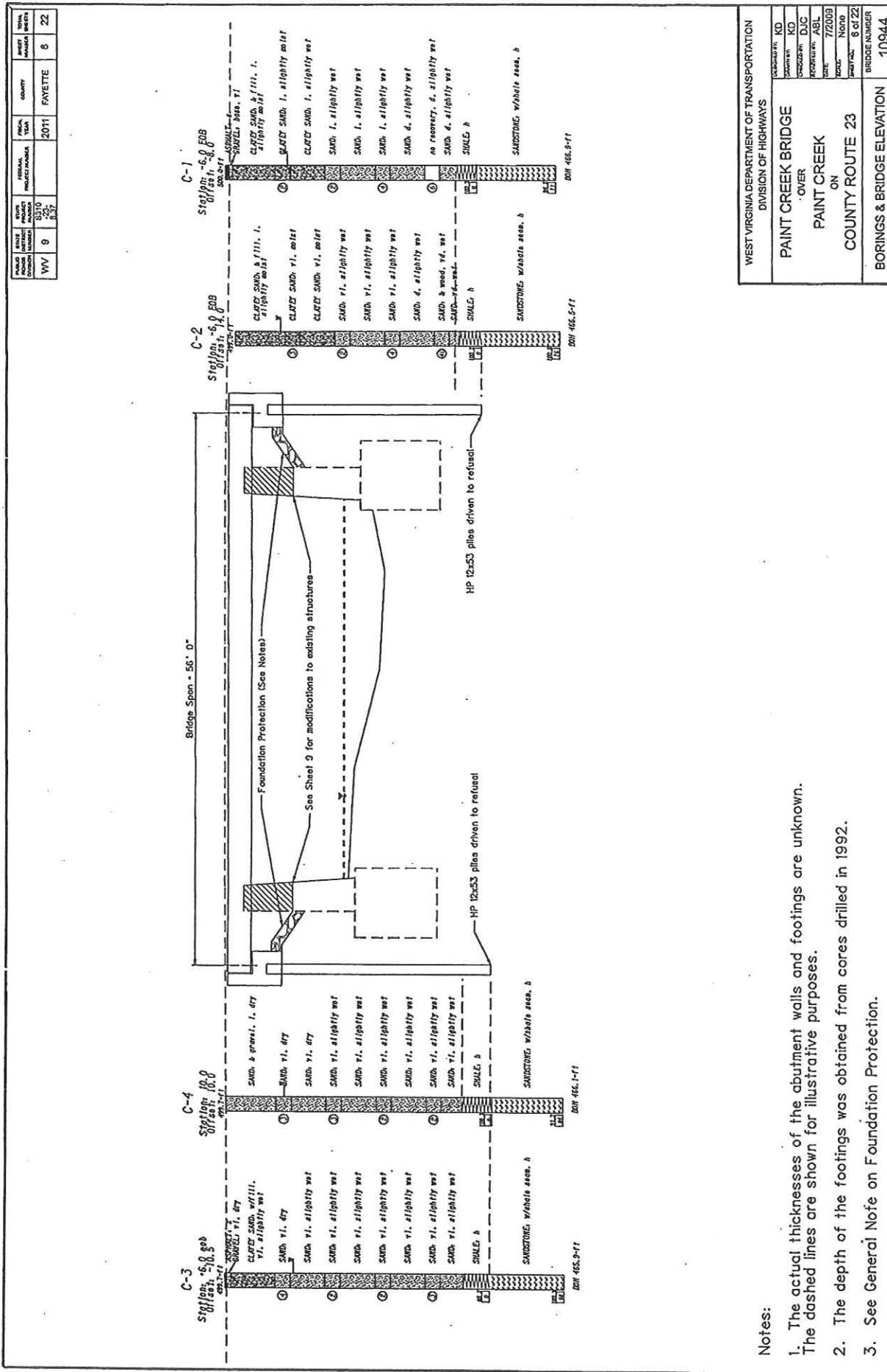


STATE	PROJECT	DATE	SCALE	COUNTY	TOTAL
WV	9	8/27	1" = 40'	PAYETTE	6
NO. OF SHEETS	NO. OF SHEETS	NO. OF SHEETS	NO. OF SHEETS	NO. OF SHEETS	NO. OF SHEETS
22	22	22	22	22	22

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION	
DIVISION OF HIGHWAYS	
PROJECT NO.	10942
BRIDGE NUMBER	10942
PAINT CREEK BRIDGE	
OVER	
PAINT CREEK	
ON	
COUNTY ROUTE 23	
SITE PLAN	

**Survey Information Note:**  
 Coordinate values were derived from GPS methods:  
 Adjusted by the National Geodetic Survey on-line positioning user  
 service (OPUS) values are: WV South State Plane 4702 at ground  
 Project Scale Factor = 1.0001350571  
 Project Origin = 37° 53' 38.27392"N, 81° 15' 45.35165"W,  
 1540.185 F.  
 Vertical Datum is NAVD88, Horizontal Datum is NAD83

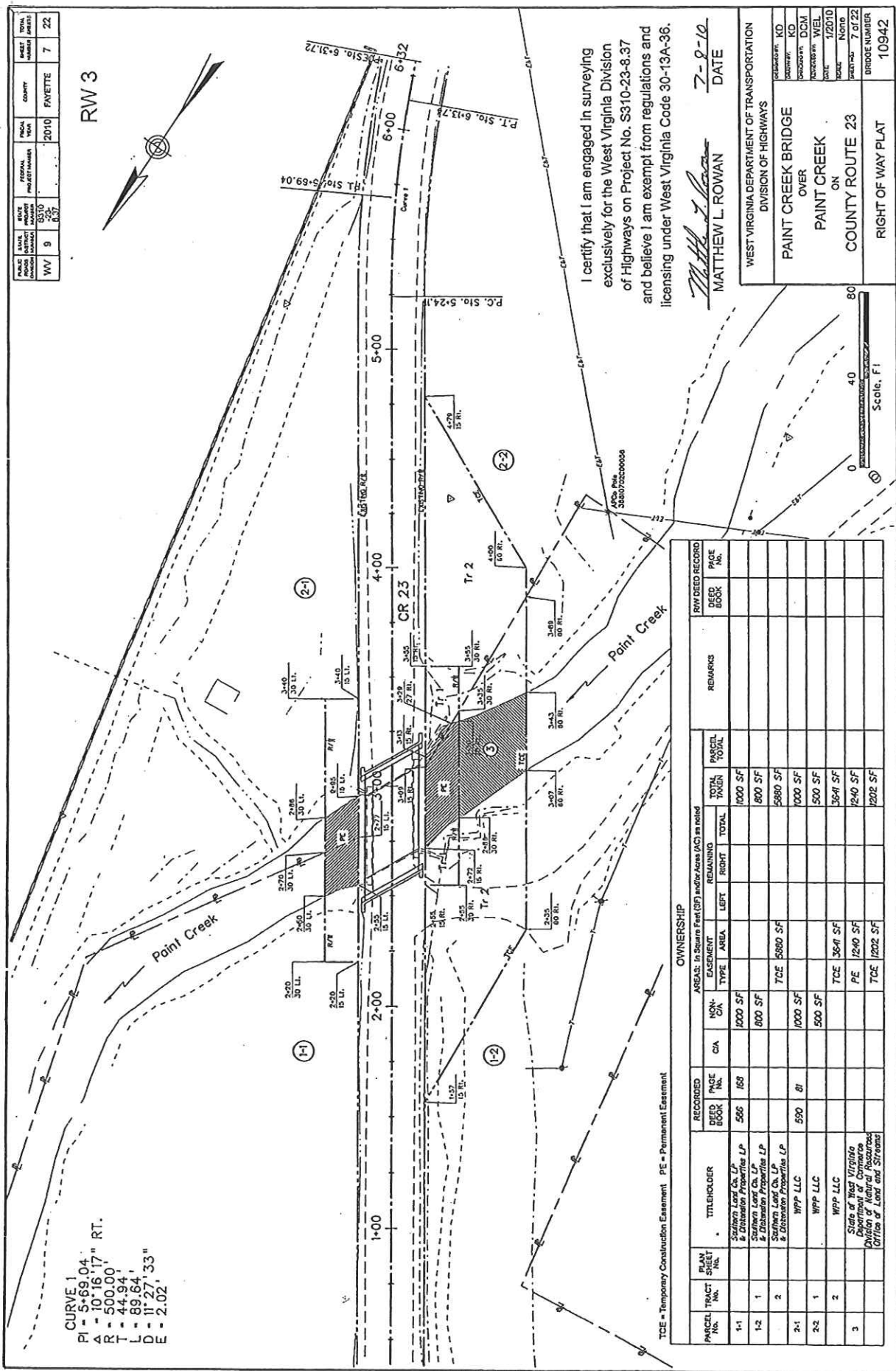
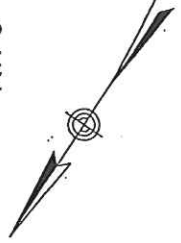
**MOT Note:**  
 Utilization of a modified case A12 is recommended. One lane of  
 traffic must remain open at all times during the project.  
 Contractor to construct a temporary bridge upstream of the existing  
 bridge within the temporary easement prior to closing the existing  
 bridge.



STATE PROJECT NUMBER	2010	FAYETTE	7	22
DATE	08/20/10			
SCALE	AS SHOWN			
PROJECT NUMBER	2010	FAYETTE	7	22

RW 3

CURVE 1  
 PI = 5+69.04'  
 Δ = 10°16'17" RT.  
 R = 500.00'  
 T = 44.94'  
 L = 89.64'  
 D = 11' 27.33"  
 E = 2.02'



I certify that I am engaged in surveying exclusively for the West Virginia Division of Highways on Project No. S310-23-8-37 and believe I am exempt from regulations and licensing under West Virginia Code 30-13A-36.

*Matthew L. Rowan*  
 MATTHEW L. ROWAN  
 DATE 7-9-10

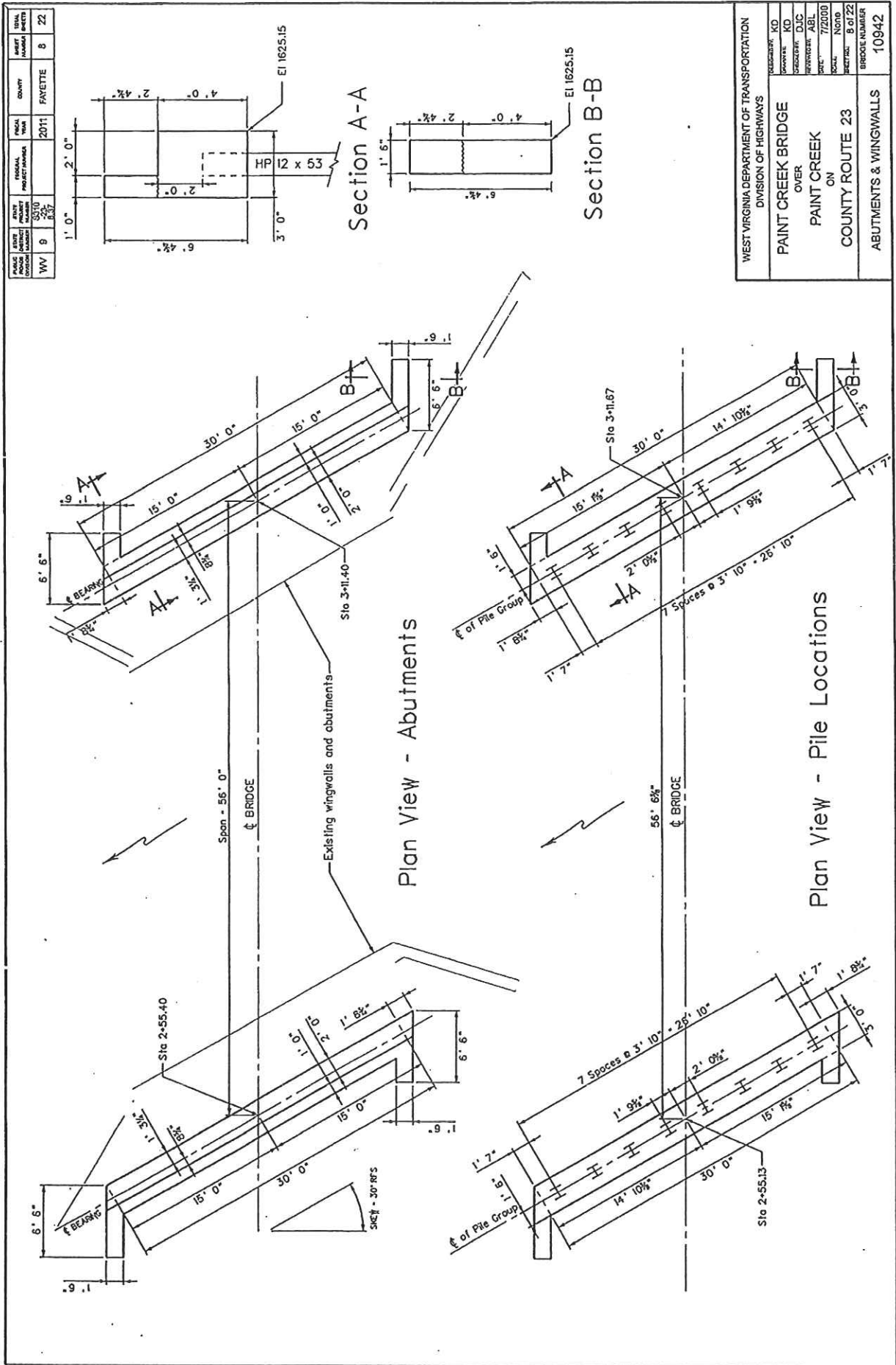
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
PAYEE	KD
PROJECT NO.	DCM
PROJECT NAME	PAINT CREEK BRIDGE OVER PAINT CREEK ON COUNTY ROUTE 23
DATE	7/9/10
SCALE	AS SHOWN
PROJECT NO.	10942

PARCEL TRACT No.	R/W SHEET No.	TITLEHOLDER	RECORDED DEED BOOK No.	C/A	NON-CON.	EASEMENT		REMAINING RIGHT	TOTAL	PARCEL TOTAL	REMARKS	R/W DEED RECORD DEED BOOK No.	PAGE No.
						TYPE	AREA						
1-1		Saufern Land Co. LP & Distaluna Properties LP	566		1000 SF				1000 SF				
1-2		Saufern Land Co. LP & Distaluna Properties LP			600 SF				600 SF				
2-1		Saufern Land Co. LP & Distaluna Properties LP	590		1000 SF				1000 SF				
2-2		WPP LLC			500 SF				500 SF				
3		State of West Virginia Department of Commerce Division of Natural Resources Office of Land and Streams							364 SF				
									1240 SF				
									1202 SF				

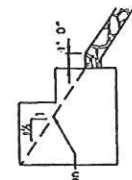
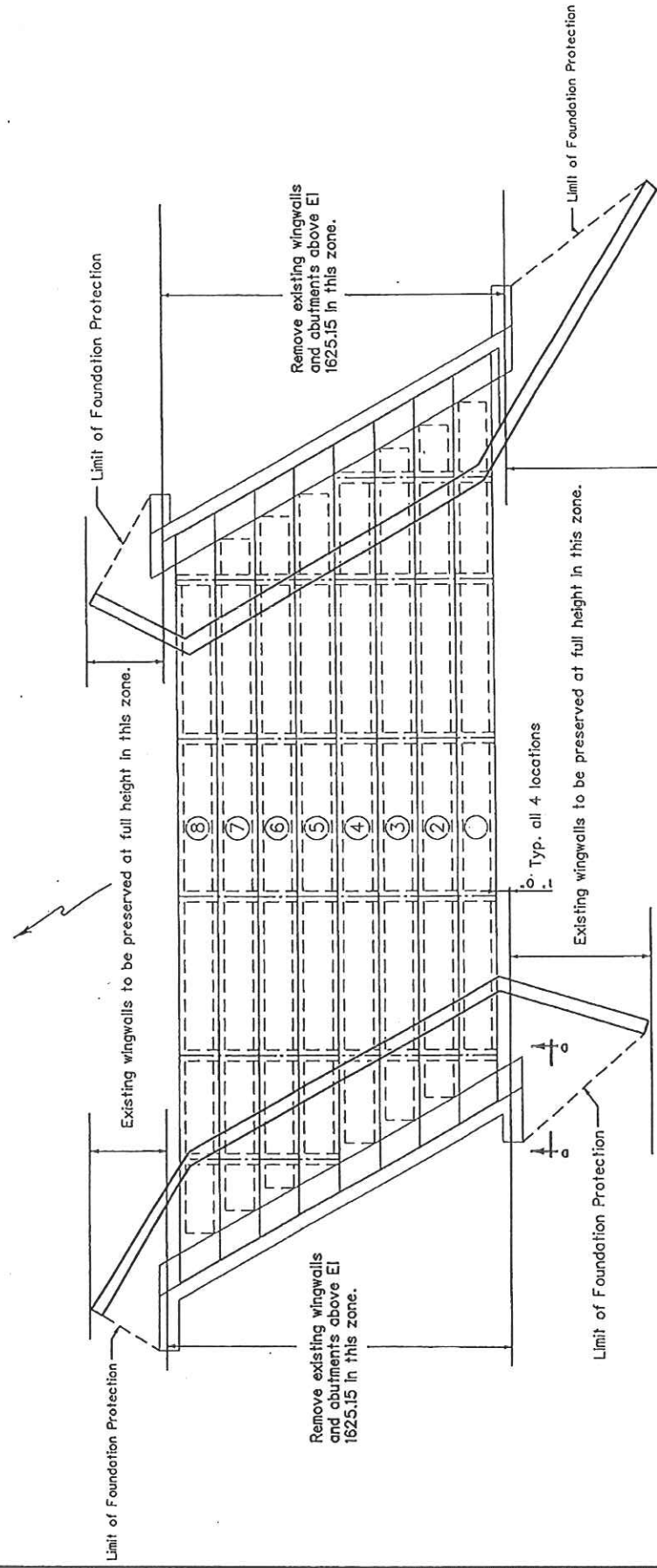
TCE = Temporary Construction Easement PE = Permanent Easement







STATE	PROJECT NUMBER	PROJECT YEAR	COUNTY	ASPC NUMBER	DATE
WV	5510	2011	FAYETTE	9	22
DATE	PROJECT NUMBER	PROJECT YEAR	COUNTY	ASPC NUMBER	DATE
08/22/11	5510	2011	FAYETTE	9	22

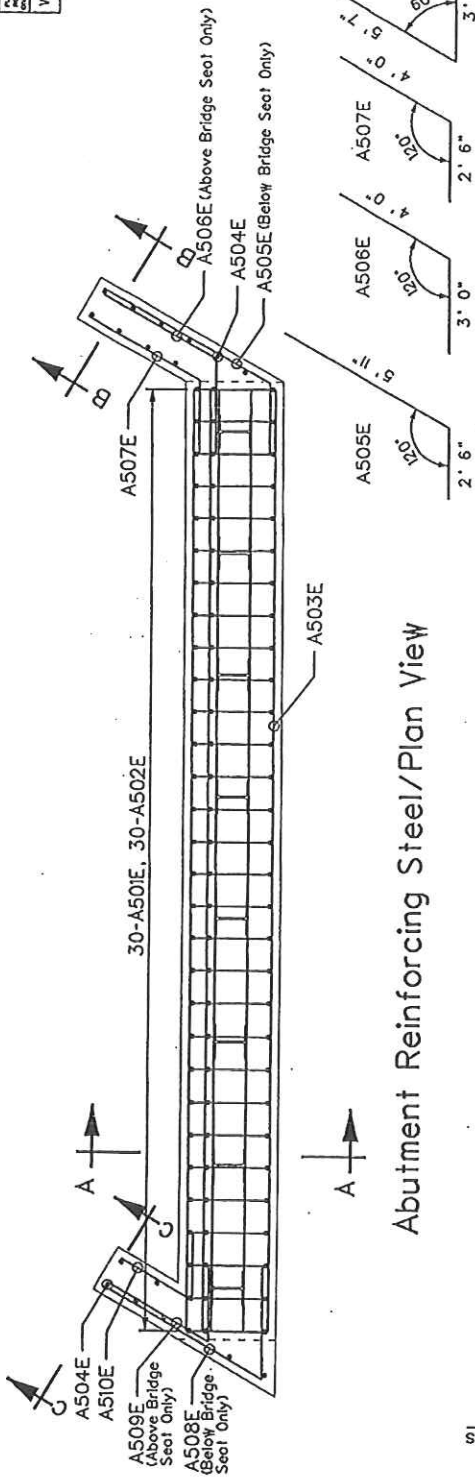


Section D-D  
(Typical on all 4 piers)

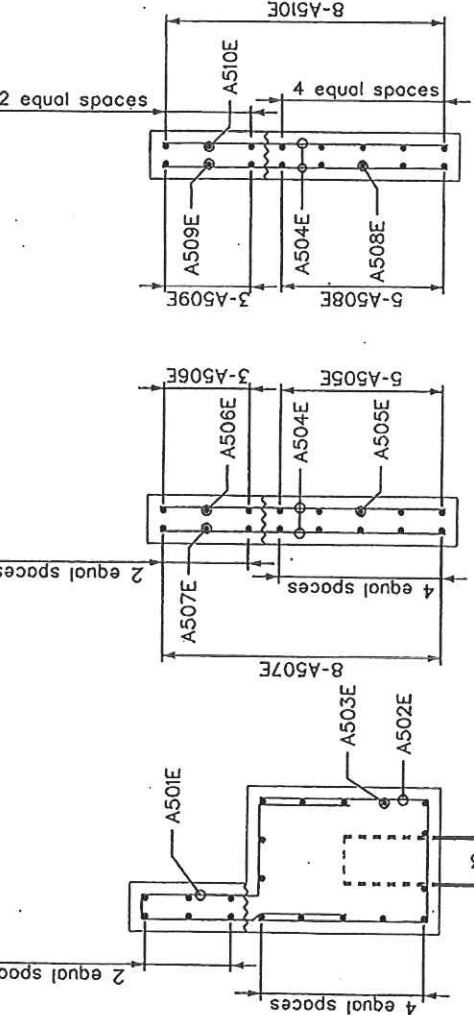
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION	
DIVISION OF HIGHWAYS	
PROJECT: PAINT CREEK BRIDGE	SECTION: OVER
LOCATION: PAINT CREEK	DATE: 7/20/09
PROJECT: COUNTY ROUTE 23	SCALE: NONE
PROJECT: MODIFICATIONS TO EXISTING ABUTMENTS & WINGWALLS	PROJECT: 9 of 22
	BRIDGE NUMBER: 10942

- Notes:
1. All vertical and horizontal cut lines in existing structures to be saw cut.
  2. If the sections of wingwalls and/or abutments that are intended to be preserved become damaged by the contractor, they are to be repaired or replaced by the contractor at his expense to the satisfaction of the engineer.
  3. Foundation Protection to extend between limits shown. See General Note on Foundation Protection.

STATE	FEDERAL PROJECT NUMBER	FEDERAL AID FUNDING SOURCE	PROJECT NUMBER	COUNTY	CONTRACT NUMBER
WV	9	RD-10	337	FAVETTE	2011
DATE	PROJECT	CONTRACT	NO.	DATE	NO.
10/22	10	22			



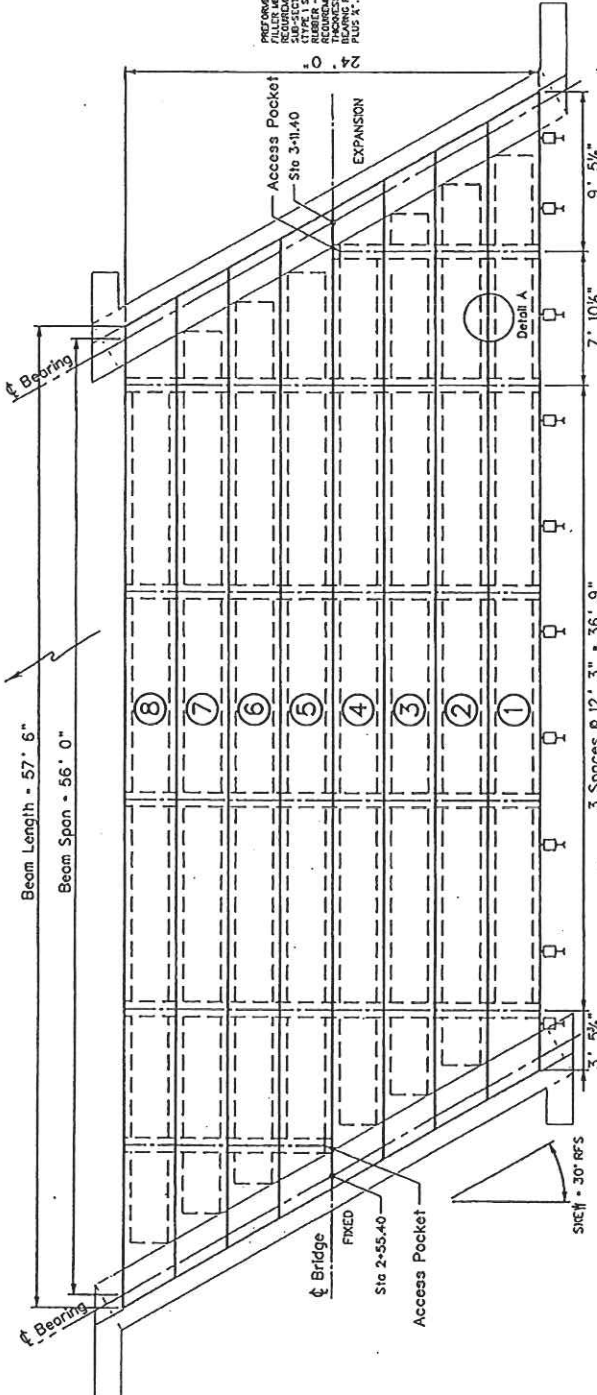
MARK	SIZE OF BAR	TYPE OF BAR	LENGTH OF BAR	NUMBER OF BARS ABUT. 1	NUMBER OF BARS ABUT. 2	NUMBER OF BARS TOTAL	WEIGHT OF BARS TOTAL
A501E	#5	BENT	11'-4"	30	30	60	710
A502E	#5	BENT	9'-6"	30	30	60	595
A503E	#5	STRAIGHT	29'-6"	20	20	40	1231
A504E	#5	STRAIGHT	5'-10"	17	17	34	207
A505E	#5	BENT	8'-5"	5	5	10	88
A506E	#5	BENT	7'-0"	3	3	6	44
A507E	#5	BENT	6'-6"	8	8	16	109
A508E	#5	BENT	9'-1"	5	5	10	95
A509E	#5	BENT	6'-1"	3	3	6	39
A510E	#5	BENT	5'-0"	8	8	16	84



REINFORCING BAR SCHEDULE

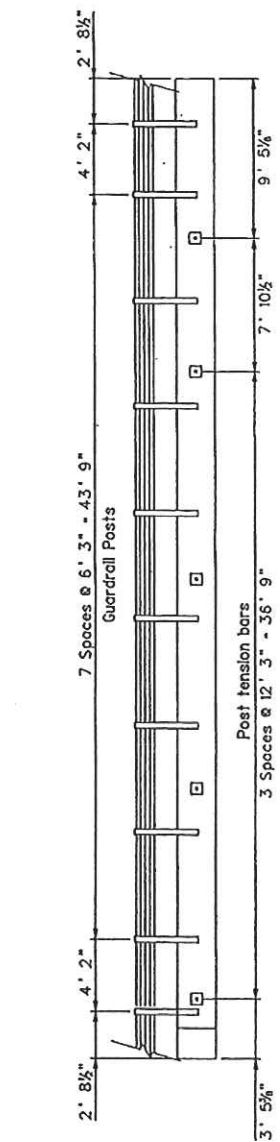
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
PROJECT NO.	PAINT CREEK BRIDGE
CONTRACT NO.	OVER
DESIGNER	PAINT CREEK
DATE	ON
NO.	COUNTY ROUTE 23
BRIDGE NUMBER	REINFORCING BAR SCHEDULE
	10942

PROJECT NUMBER	WV 9	DATE	03/11/11	PROJECT NAME	PAINT CREEK BRIDGE
STATE	WV	DESIGNER	2011	COUNTY	FAYETTE
PROJECT NUMBER	2011	DATE	03/11/11	PROJECT NAME	PAINT CREEK BRIDGE
STATE	WV	DESIGNER	2011	COUNTY	FAYETTE
PROJECT NUMBER	2011	DATE	03/11/11	PROJECT NAME	PAINT CREEK BRIDGE
STATE	WV	DESIGNER	2011	COUNTY	FAYETTE



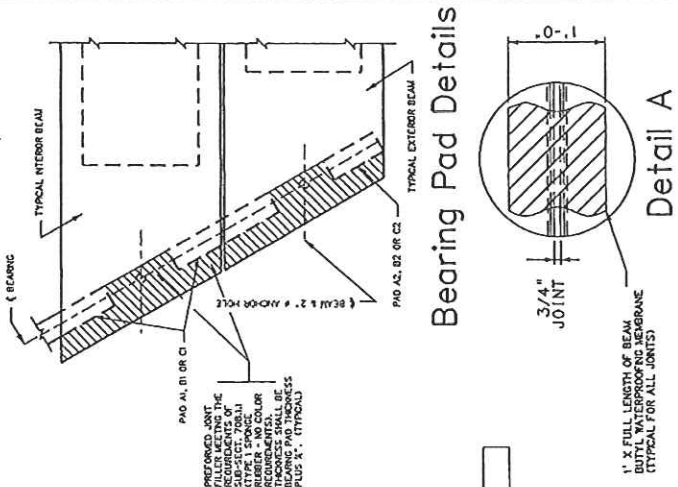
Concrete Box Beam Plan

Guardrail and Post Tensioning Bar Locations

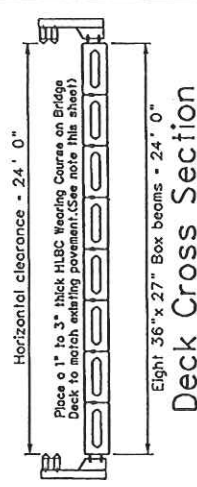


Guardrail and Post Tensioning Bar Locations

Note: Install Butyl waterproofing membrane per Detail A before placing the HLBC wearing course.



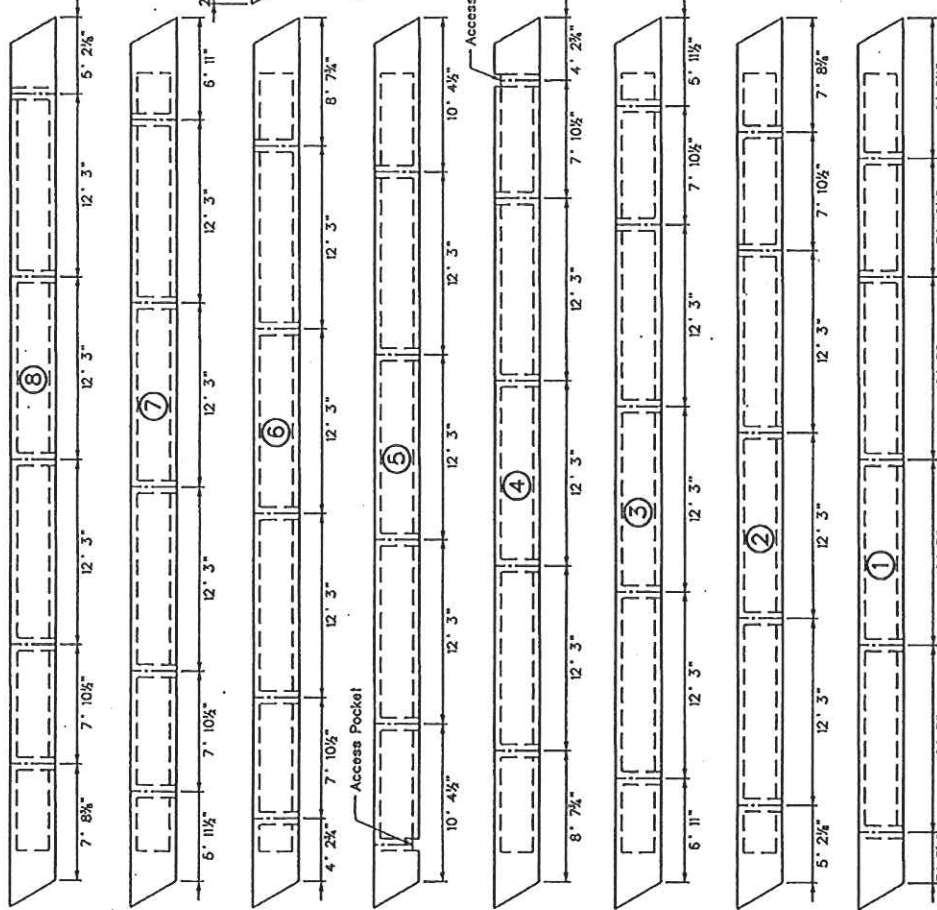
Bearing Pad Details



Deck Cross Section

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
PROJECT NO.	10942
BRIDGE NO.	10942
COUNTY	FAYETTE
ROUTE	23
DATE	03/11/11
SCALE	AS SHOWN
PROJECT NO.	10942
BRIDGE NO.	10942

STATE	PROJECT NUMBER	DATE	COUNTY	BRIDGE NUMBER
WV	9	3/10	PIVETTE	12
DATE	PROJECT NUMBER	DATE	COUNTY	BRIDGE NUMBER
3/10	9	3/10	PIVETTE	12



Locations of Guardrail Inserts

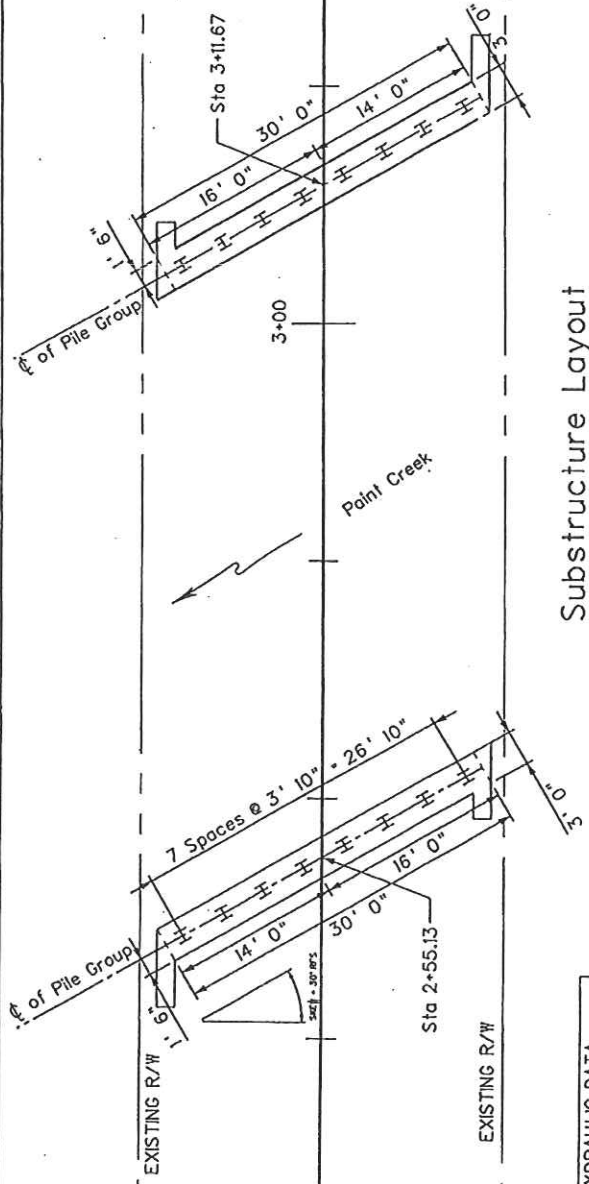
Locations of Post Tensioning Sleeves

Plan View - Concrete Box Beam

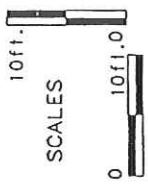
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
PROJECT NO.	10942
BRIDGE NO.	12
COUNTY	PIVETTE
PROJECT NAME	PAINT CREEK BRIDGE OVER PAINT CREEK ON COUNTY ROUTE 23
DATE	3/10
BY	JLD
CHECKED BY	ABL
DATE CHECKED	7/20/08
SCALE	NONE
ISSUED FOR	CONCRETE BOX BEAM DETAILS
BRIDGE NUMBER	10942

2187701E, R-169a, Post Tensioning Sleeves, Paint Creek 10-23-8, 35' Point-Crest, R-169a/169a.dgn 28-FEB-2011 11:08

Sheet No.	Project No.	Phase	County	Sheet No.
W.V. 9	2310	2011	FAYETTE	13
9	8.37			22

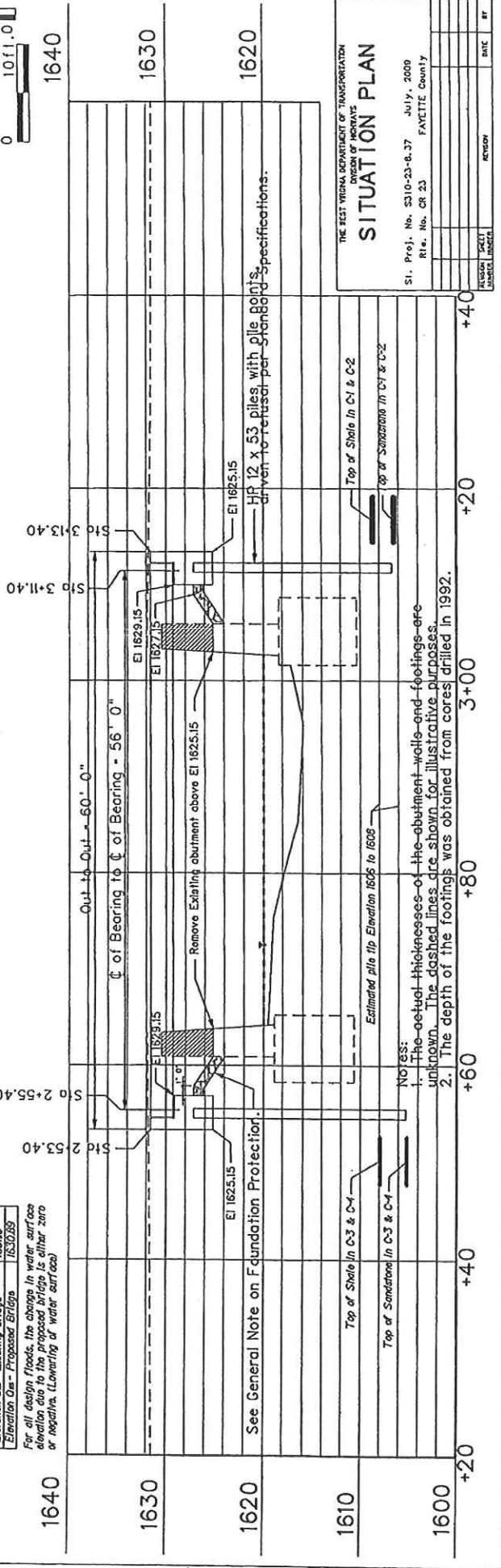


Substructure Layout



HYDRAULIC DATA	
Discharge $Q_w$	302 cfs
Elevation $O_w$ - Existing bridge	163.19
Elevation $O_w$ - Proposed bridge	163.05

*For all design floods, the change in water surface elevation due to the proposed bridge is either zero or negative (lowering of water surface)*



THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

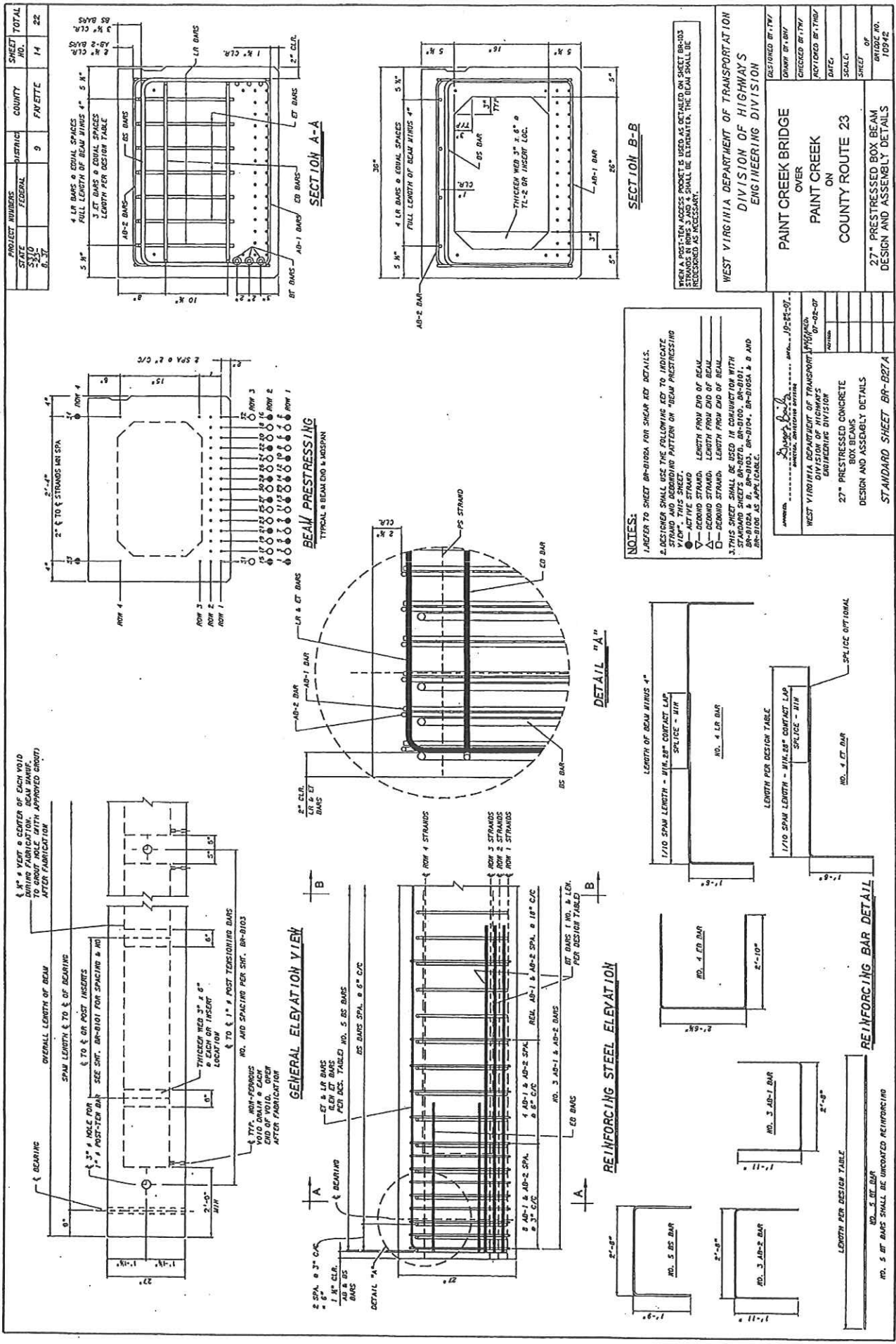
### SITUATION PLAN

SI. Proj. No. S310-23-B.37 July, 2009  
FAYETTE COUNTY

RI. No. CR 23

REVISION	DATE	BY

- NOTES:
- The actual thicknesses of the abutment walls and footings are unknown. The dashed lines are shown for illustrative purposes.
  - The depth of the footings was obtained from cores drilled in 1992.



DESIGNED BY/TW	DRAWN BY/TW	CHECKED BY/TW	REVISED BY/TW	DATE	SCALE	SHEET OF	BRIDGE NO.
							10942

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
ENGINEERING DIVISION

PAINT CREEK BRIDGE  
OVER  
PAINT CREEK  
ON  
COUNTY ROUTE 23

27" PRESTRESSED BOX BEAM  
DESIGN AND ASSEMBLY DETAILS

**NOTES:**

- REFER TO SHEET BR-2100A FOR SHOR BAR DETAILS.
- DESIGNER SHALL USE THE FOLLOWING KEY TO INDICATE STRAND AND ACCORDING PATTERN OF "BEAM PRESTRESSING":
  - - TOP STRAND
  - - BOTTOM STRAND
  - △ - DEMAND STRAND
  - - DEMAND STRAND
- THIS SHEET SHALL BE USED IN CONJUNCTION WITH STANDARD SHEETS BR-2100, BR-2101, BR-2102 & B, BR-2103, BR-2104, BR-2105 & B AND BR-2106 AS APPLICABLE.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
ENGINEERING DIVISION

27" PRESTRESSED CONCRETE  
BOX BEAMS  
DESIGN AND ASSEMBLY DETAILS

STANDARD SHEET BR-2100

DESIGNED BY/TW  
DRAWN BY/TW  
CHECKED BY/TW  
REVISED BY/TW  
DATE  
SCALE  
SHEET OF

BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
CHECKED BY/TW  
REVISED BY/TW  
DATE  
SCALE  
SHEET OF

BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
CHECKED BY/TW  
REVISED BY/TW  
DATE  
SCALE  
SHEET OF

BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
CHECKED BY/TW  
REVISED BY/TW  
DATE  
SCALE  
SHEET OF

BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
CHECKED BY/TW  
REVISED BY/TW  
DATE  
SCALE  
SHEET OF

BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
CHECKED BY/TW  
REVISED BY/TW  
DATE  
SCALE  
SHEET OF

BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
CHECKED BY/TW  
REVISED BY/TW  
DATE  
SCALE  
SHEET OF

BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
CHECKED BY/TW  
REVISED BY/TW  
DATE  
SCALE  
SHEET OF

BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
CHECKED BY/TW  
REVISED BY/TW  
DATE  
SCALE  
SHEET OF

BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
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REVISED BY/TW  
DATE  
SCALE  
SHEET OF

BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
CHECKED BY/TW  
REVISED BY/TW  
DATE  
SCALE  
SHEET OF

BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
CHECKED BY/TW  
REVISED BY/TW  
DATE  
SCALE  
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BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
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BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
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REVISED BY/TW  
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BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
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REVISED BY/TW  
DATE  
SCALE  
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BRIDGE NO. 10942

DESIGNED BY/TW  
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REVISED BY/TW  
DATE  
SCALE  
SHEET OF

BRIDGE NO. 10942

DESIGNED BY/TW  
DRAWN BY/TW  
CHECKED BY/TW  
REVISED BY/TW  
DATE  
SCALE  
SHEET OF

BRIDGE NO. 10942







STATE PROJECT NUMBER	FEDERAL PROJECT NUMBER	STATE DIVISION	COUNTY	HAZID	DATE
5210	9	FAVETTE	17	22	

CONTROL DIMENSIONS	DESCRIPTION	CODE	VALUE
1	OVERALL BEAM LENGTH	A	57' 6"
2	SPAN LENGTH, FACE TO FACE OF BEARING	B	14' 6"
3	SUPPERSTRUCTURE WIDTH - OUT TO OUT	C	24' 0"
4	ROADWAY WIDTH - FACE OF PARAPET TO FACE OF PARAPET	D	24' 0"
5	NUMBER OF BEAMS REQUIRED		8
6	BEAM SIZE (DEPTH x RADIUS)		18" x 24"
7	SKEL ANGLE (NORMAL DEC. RPS OR DEC. LFS)	E	30° RPS
8	PERPENDICULAR DISTANCE FROM FACE OF BEAM TO FACE OF BEARING COURSE REQUIRED (YES/NO)	F	7/1"
9	HUB BEARING COURSE REQUIRED (YES/NO)		YES
10	THICKNESS OF BEARING COURSE x % OF DECK OR ROADWAY	G	3"
11	PROCES OF BEARING COURSE - FACE OF BEAM OR PARAPET	H	1"
12	TL-2 BRIDGE GUARDRAIL SYSTEM REQUIRED (YES/NO)		YES
13	FABRICATOR TO SUPPLY TL-2 BRIDGE GUARDRAIL (YES/NO)		YES
14	FABRICATOR TO INSTALL BRIDGE GUARDRAIL (YES/NO)		YES
15	NUMBER OF GUARDRAIL POSTS PER SHEET REQUIRED PER BOX (YES/NO)		10
16	TYPE OF PARAPET REQUIRED (YES/NO)		NO
17	GRADE REQUIRED (YES/NO)		NO
18	NUMBER OF DAMNS REQUIRED PER BOX		N/A
19	10' CURB REQUIRED (YES/NO)		NO

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
ENGINEERING DIVISION

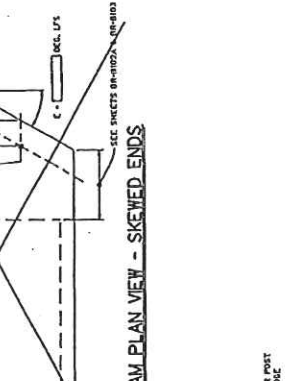
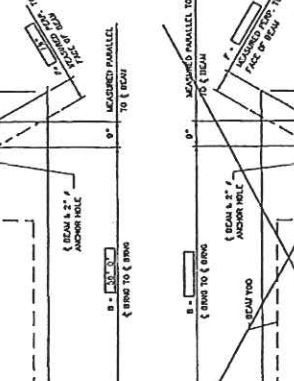
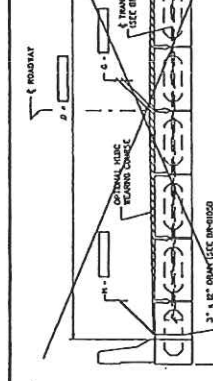
PAINT CREEK BRIDGE  
OVER  
PAINT CREEK  
ON  
COUNTY ROUTE 23  
PRESTRESSED CONCRETE BEAM  
DESIGN & ASSEMBLY NOTES

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
60208	PRESTRESSED CONCRETE BOX BEAM	LF	440

ESTIMATE OF QUANTITIES

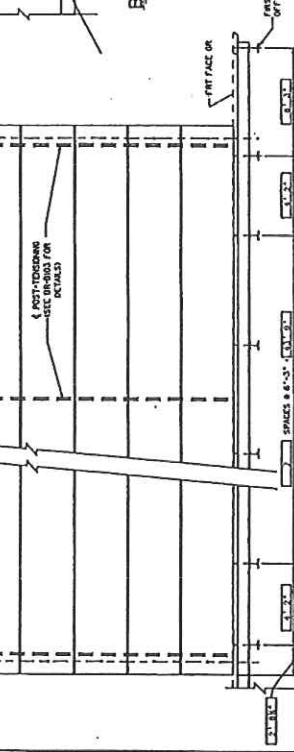
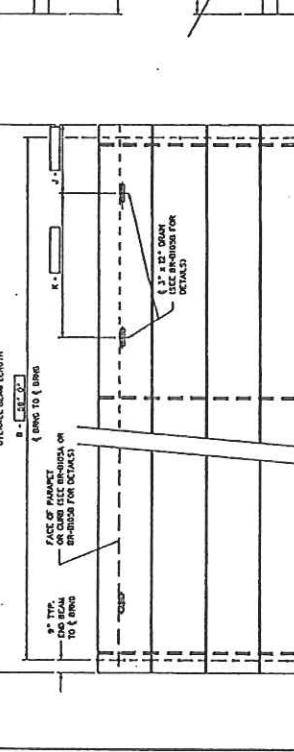
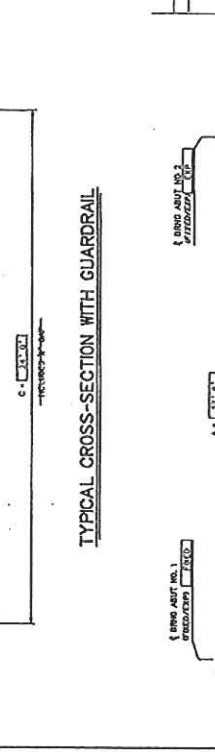
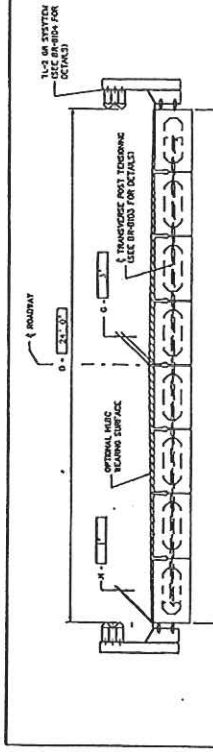
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
ENGINEERING DIVISION

DATE: 10-25-07  
PROJECT NO. 5210  
SHEET NO. 10-25-07  
DRAWING TITLE: PRESTRESSED CONCRETE BEAM DESIGN AND ASSEMBLY NOTES  
STANDARD SHEET BR-B101



NOTES:

- BEAM BRIDGE GUARDRAIL IS TO BE SUPPLIED BY THE BEAM FABRICATOR. THE COST OF ALL BRIDGE GUARDRAIL ITEMS TO INCLUDE POSTS, RAIL AND BRIDGE GUARDRAIL SHALL BE INCLUDED IN THE BIDDING PRICE. TO COMPLETELY INSTALL BRIDGE GUARDRAIL SHALL BE INCLUDED IN ITEM 60308 - PRESTRESSED CONCRETE BOX BEAM.
- THIS SHEET SHALL BE USED IN CONJUNCTION WITH STANDARD SHEETS BR-B101 THROUGH BR-B103 & BR-B104, BR-B105, BR-B106, BR-B107, BR-B108, BR-B109, BR-B110 & BR-B111.



NOTES:

- BEAM BRIDGE GUARDRAIL IS TO BE SUPPLIED BY THE BEAM FABRICATOR. THE COST OF ALL BRIDGE GUARDRAIL ITEMS TO INCLUDE POSTS, RAIL AND BRIDGE GUARDRAIL SHALL BE INCLUDED IN THE BIDDING PRICE. TO COMPLETELY INSTALL BRIDGE GUARDRAIL SHALL BE INCLUDED IN ITEM 60308 - PRESTRESSED CONCRETE BOX BEAM.
- THIS SHEET SHALL BE USED IN CONJUNCTION WITH STANDARD SHEETS BR-B101 THROUGH BR-B103 & BR-B104, BR-B105, BR-B106, BR-B107, BR-B108, BR-B109, BR-B110 & BR-B111.

STATE PROJECT NUMBER	FEDERAL PROJECT NUMBER	STATE PROJECT NUMBER	CONTRACT NUMBER	SHEET TOTAL
27	17	9	FAYETTE	10 22

NO. 4 STRAND STEEL FIBER REINFORCED POLYMER (FRP) SHALL BE USED FOR ALL REINFORCING IN THIS STRUCTURE. THE FRP SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF SUB-SECTION 10-2-2.1. THE FRP SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF SUB-SECTION 10-2-2.1. THE FRP SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF SUB-SECTION 10-2-2.1.

**LETTING DETAILS**

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 ENGINEERING DIVISION

**PAINT CREEK BRIDGE**  
 OVER  
**PAINT CREEK**  
 ON  
**COUNTY ROUTE 23**  
 PRESTRESSED CONCRETE BEAM  
 SKEWED END REINFORCING  
 MISC. DESIGN AND ASSEMBLY DETAILS

DESIGNED BY: THW  
 DRAWN BY: THW  
 CHECKED BY: THW  
 REVISIONS BY: THW  
 DATE: 10-25-07

SCALE: 1" = 1'-0"  
 SHEET OF 10  
 BRIDGE NO. T09-42

**END BEARING DETAIL WITH BACKWALL**

NO. 4 SS BAR

9"-0"

ANGLE OF BEAM SLOPE

NO. 4 EB BAR

**REINFORCING BAR DETAIL**  
 SKEWED BEAMS

5 EQUAL SPA - 08" MAX

NO. 4 SS BARS

3" MIN

EDGE OF SQUARE-CORDED BEAM VOID

17" BEAM

20" BEAM

27" BEAM

33" BEAM

39" BEAM

42" BEAM

**END BEARING DETAIL WITHOUT BACKWALL**

NO. 4 SS BAR

9"-0"

ANGLE OF BEAM SLOPE

NO. 4 EB BAR

**END BLOCK DETAIL - SKEWED BEAMS**  
 10/POST-TEN. ACCESS POCKET

5 EQUAL SPA - 08" MAX

NO. 4 SS BARS

3" MIN

EDGE OF SQUARE-CORDED BEAM VOID

17" BEAM

20" BEAM

27" BEAM

33" BEAM

39" BEAM

42" BEAM

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 ENGINEERING DIVISION

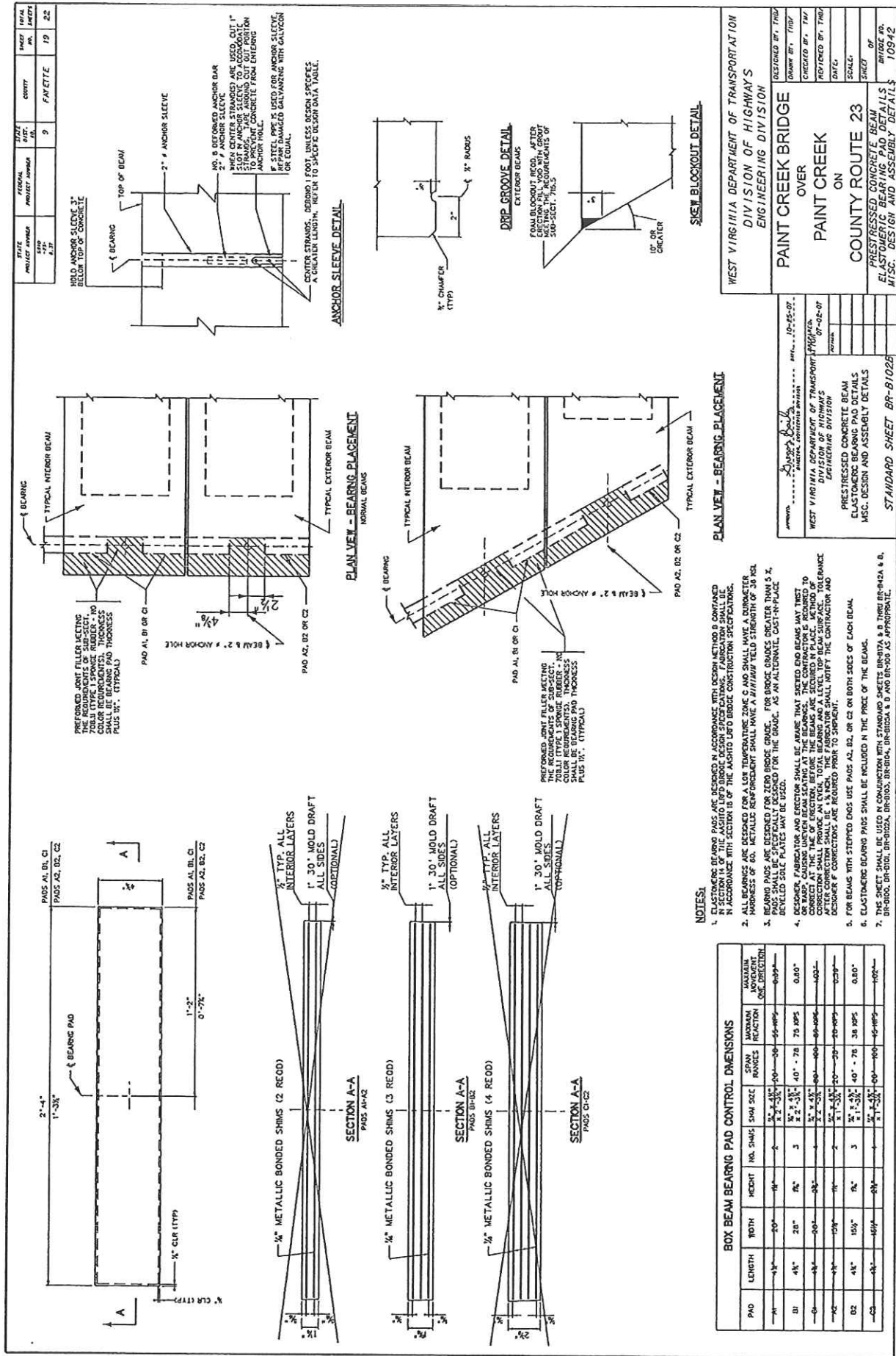
DESIGNED BY: THW  
 DRAWN BY: THW  
 CHECKED BY: THW  
 REVISIONS BY: THW  
 DATE: 10-25-07

SCALE: 1" = 1'-0"  
 SHEET OF 10  
 BRIDGE NO. T09-42

PRESTRESSED CONCRETE BEAM  
 SKEWED END REINFORCING  
 MISC. DESIGN AND ASSEMBLY DETAILS

STANDARD SHEET BR-B102A

THIS SHEET SHALL BE USED IN CONNECTION WITH STANDARD BRIDGE, BRIDGE, BRIDGE, BRIDGE & B AND BRIDGE AS APPROPRIATE.



PAD	LENGTH	WIDTH	HEIGHT		SPAN RANGES	MATERIAL SPECIFICATION	MATERIAL MOYMENT ONE DIRECTION	MATERIAL MOYMENT TWO DIRECTION
			HA. SHIMS	SHIM SIZE				
A1	4'-0"	2'-0"	1	4"	10' - 24'	401	1002	1002
B1	4'-0"	2'-0"	2	4"	10' - 24'	401	1002	1002
C1	4'-0"	2'-0"	3	4"	10' - 24'	401	1002	1002
C2	4'-0"	2'-0"	3	4"	10' - 24'	401	1002	1002
C3	4'-0"	2'-0"	3	4"	10' - 24'	401	1002	1002

- NOTES:**
1. ALL BEARING PADS ARE DESIGNED IN ACCORDANCE WITH DESIGN METHOD B, CONFIRMED BY FIELD TESTS. ALL BEARING PADS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION 18 OF THE AASHTO LEAD BRIDGE CONSTRUCTION SPECIFICATIONS. FABRICATION SHALL BE IN ACCORDANCE WITH SECTION 18 OF THE AASHTO LEAD BRIDGE CONSTRUCTION SPECIFICATIONS.
  2. ALL BEARINGS ARE DESIGNED FOR A LOW TEMPERATURE ZONE C AND SHALL HAVE A DIMENSIONAL YIELD STRENGTH OF 38 KSI.
  3. BEARING PADS ARE DESIGNED FOR ZERO BRIDGE GRADE. FOR BRIDGE GRADES GREATER THAN 5%, DIMENSIONAL YIELD STRENGTH SHALL BE 38 KSI PLUS 1.25% PER PERCENT GRADE.
  4. BEARING PADS SHALL BE SPECIFICALLY DESIGNED FOR THE GRADE, AS AN ALTERNATE CAST-IN-PLACE CONCRETE OPTION. ALL BEARING PADS SHALL BE REINFORCED WITH STEEL BARS THAT SHALL BE SET TO THE CORRECT AT THE TIME OF ERECTION. BEFORE THE BEAMS ARE SECURED IN PLACE, THE METHOD OF REINFORCEMENT SHALL BE CHECKED AND APPROVED BY THE DESIGNER. THE FABRICATOR SHALL NOTIFY THE CONTRACTOR AND DESIGNER IF CORRECTIONS ARE REQUIRED PRIOR TO SHIPMENT.
  5. FOR BEAMS WITH STEEPED ENDS USE PADS A2, B2, OR C2 ON BOTH SIDES OF EACH BEAM.
  6. ELASTOMER BEARING PADS SHALL BE INCLUDED IN THE PRICE OF THE BEAMS.
  7. THIS BEARING PAD SHALL BE SUBMITTED WITH STANDARD SHEETS BR/23-A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z AND BR/23-P, Q, R, S, T, U, V, W, X, Y, Z.

DATE	PROJECT NUMBER	SHEET NUMBER	DATE	COMMITTEE	DATE	BY
8.27	8.27	9	8.27	FAI FETTER	19	22

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 ENGINEERING DIVISION

PAINT CREEK BRIDGE  
 OVER  
 PAINT CREEK  
 ON  
 COUNTY ROUTE 23

PRESTRESSED CONCRETE BEAM  
 ELASTOMER BEARING PAD DETAILS  
 MISC. DESIGN AND ASSEMBLY DETAILS

DESIGNED BY, TYP.  
 DRAWN BY, TYP.  
 CHECKED BY, TYP.  
 REVISIONS BY, TYP.  
 DATE

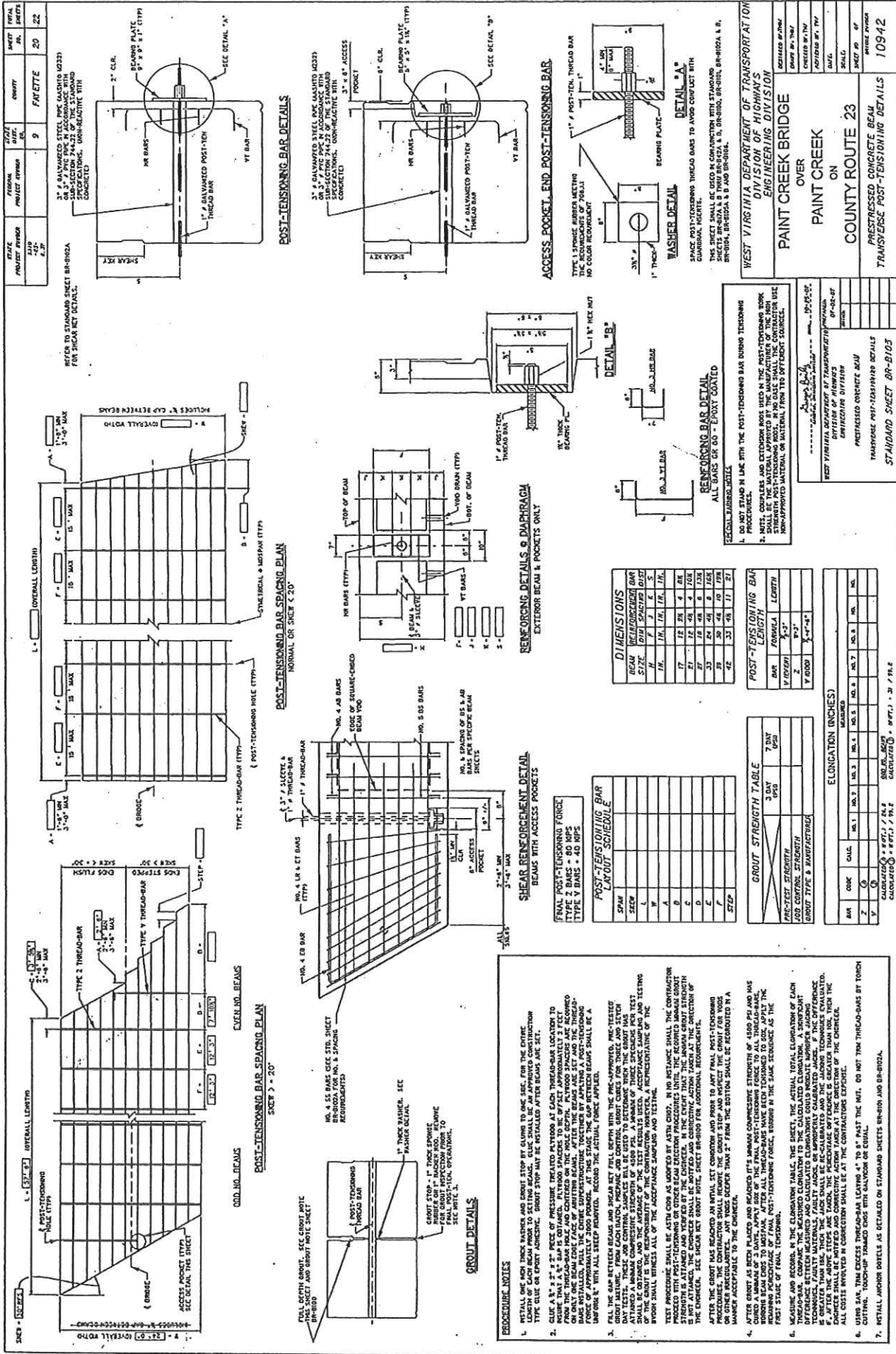
SCALE:  
 SHEET OF  
 BRIDGE NO.  
 10942

STANDARD SHEET BR-8102B

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 ENGINEERING DIVISION

DATE: 08-25-07  
 BY: [Signature]  
 CHECKED: [Signature]

PRESTRESSED CONCRETE BEAM  
 ELASTOMER BEARING PAD DETAILS  
 MISC. DESIGN AND ASSEMBLY DETAILS



DATE	PROJECT NUMBER	SCALE	DATE	NO.	REVISION
4-22	4-22	9	9	9	9

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
ENGINEERING DIVISION  
PAINT CREEK BRIDGE  
OVER  
COUNTY ROUTE 23  
PRESTRESSED CONCRETE BEAM  
TRANSVERSE POST-TENSIONING DETAILS

DATE	PROJECT NUMBER	SCALE	DATE	NO.	REVISION
4-22	4-22	9	9	9	9

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
ENGINEERING DIVISION  
PAINT CREEK BRIDGE  
OVER  
COUNTY ROUTE 23  
PRESTRESSED CONCRETE BEAM  
TRANSVERSE POST-TENSIONING DETAILS

**DIMENSIONS**

BEAM TYPE	HEIGHT	WIDTH	DEPTH	SPACING
1	18"	18"	18"	18"
2	18"	18"	18"	18"
3	18"	18"	18"	18"
4	18"	18"	18"	18"
5	18"	18"	18"	18"
6	18"	18"	18"	18"
7	18"	18"	18"	18"
8	18"	18"	18"	18"
9	18"	18"	18"	18"
10	18"	18"	18"	18"

**POST-TENSIONING BAR ELONGATION**

BAR	FORMULA	ELONGATION
1	1/16"	1/16"
2	1/16"	1/16"
3	1/16"	1/16"
4	1/16"	1/16"
5	1/16"	1/16"
6	1/16"	1/16"
7	1/16"	1/16"
8	1/16"	1/16"
9	1/16"	1/16"
10	1/16"	1/16"

**GROUT STRENGTH TABLE**

CLASSIFICATION	STRENGTH	STRENGTH
1	3,000	3,000
2	3,000	3,000
3	3,000	3,000
4	3,000	3,000
5	3,000	3,000
6	3,000	3,000
7	3,000	3,000
8	3,000	3,000
9	3,000	3,000
10	3,000	3,000

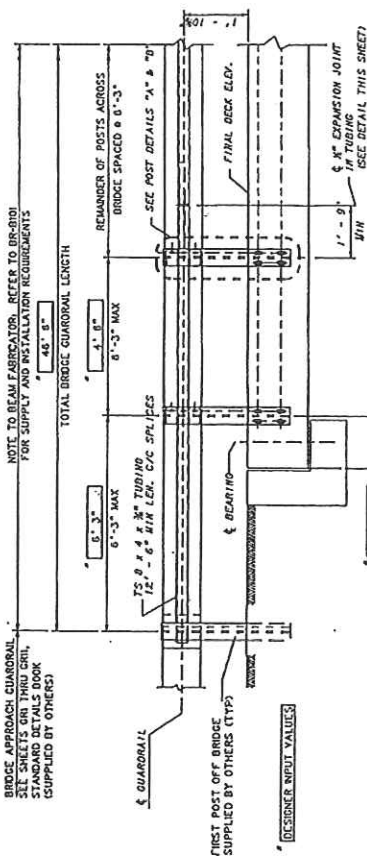
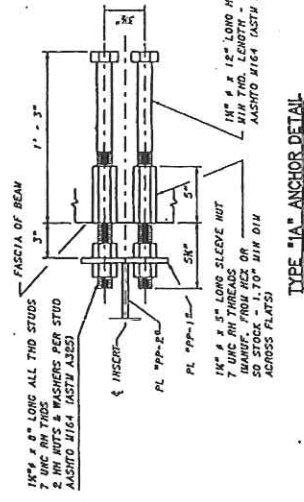
**ELONGATION (INCHES)**

BAR	CLASSIFICATION	ELONGATION
1	1	1/16"
2	2	1/16"
3	3	1/16"
4	4	1/16"
5	5	1/16"
6	6	1/16"
7	7	1/16"
8	8	1/16"
9	9	1/16"
10	10	1/16"

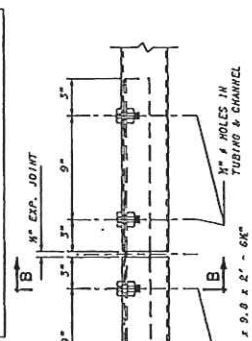
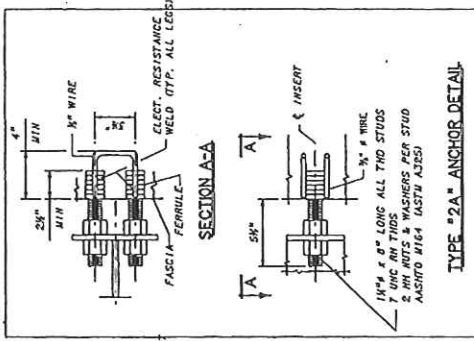
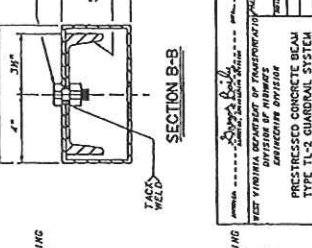
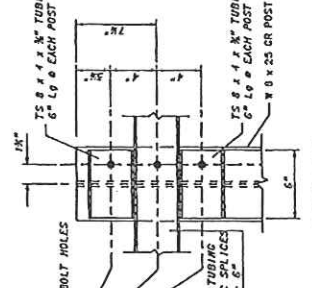
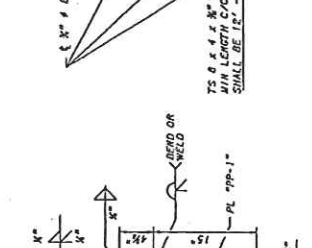
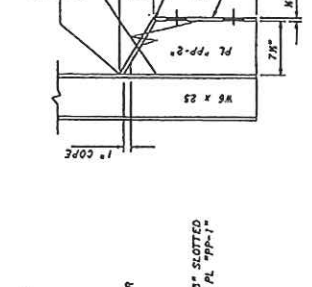
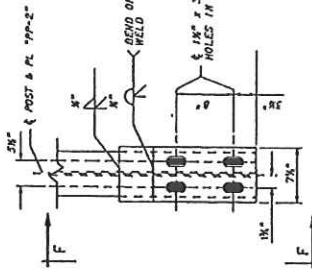
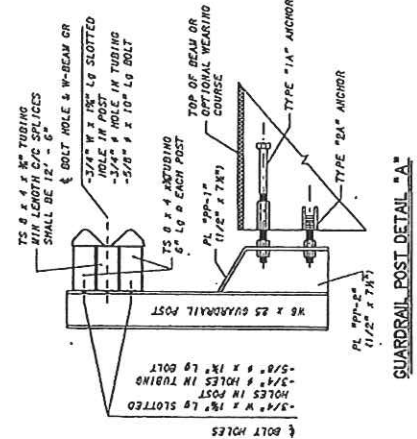
**PROCEDURE NOTES**

- INSTALL ONE ONE THICK WATER AND GROUT STOP BY GROUT TO ONE INCH FOR THE ENTIRE LENGTH OF THE BEAM. THE GROUT SHALL BE AN IMPROVED CONSTRUCTION GROUT.
- USE A 1/2" BAR SET PER SHEET FOR THE GROUT STOP. THE GROUT STOP SHALL BE APPROXIMATELY 3 FEET FROM THE THROUGH-BEAR BAR AND CENTERED ON THE HOLE DEPTH. PLYWOOD SPACERS ARE REQUIRED TO MAINTAIN THE BAR SET FROM THE THROUGH-BEAR BAR. THE GROUT STOP SHALL BE A MINIMUM OF 1/2" FROM THE THROUGH-BEAR BAR AND SHALL BE A MINIMUM OF 1/2" FROM THE THROUGH-BEAR BAR.
- FILL THE GROUT BETWEEN BEAMS AND BEAMS SET PER SHEET FOR THE GROUT STOP. THE GROUT SHALL BE AN IMPROVED CONSTRUCTION GROUT. THE GROUT SHALL BE AN IMPROVED CONSTRUCTION GROUT. THE GROUT SHALL BE AN IMPROVED CONSTRUCTION GROUT.
- MEASURE AND RECORD IN THE ELONGATION TABLE, THE ACTUAL TOTAL ELONGATION OF EACH CABLE AT A MINIMUM OF 3 DATES. APPLY ONE OF THE FULL POST-TENSIONING FORCE TO ALL THROUGH-BEAR BEAMS AND RECORD THE ELONGATION. THE ELONGATION SHALL BE THE PERCENTAGE OF THE FIRST STAGE OF FULL POST-TENSIONING FORCE, BASED ON THE TANK RECORD AS THE FIRST STAGE OF FULL POST-TENSIONING.
- MEASURE AND RECORD IN THE ELONGATION TABLE, THE ACTUAL TOTAL ELONGATION OF EACH THROUGH-BEAR BAR AT A MINIMUM OF 3 DATES. APPLY ONE OF THE FULL POST-TENSIONING FORCE TO ALL THROUGH-BEAR BEAMS AND RECORD THE ELONGATION. THE ELONGATION SHALL BE THE PERCENTAGE OF THE FIRST STAGE OF FULL POST-TENSIONING FORCE, BASED ON THE TANK RECORD AS THE FIRST STAGE OF FULL POST-TENSIONING.
- INSTALL ONE ONE THICK WATER AND GROUT STOP BY GROUT TO ONE INCH FOR THE ENTIRE LENGTH OF THE BEAM. THE GROUT SHALL BE AN IMPROVED CONSTRUCTION GROUT.

STATE PROJECT NUMBER	FEDERAL PROJECT NUMBER	STATE DISTRICT	CONTRACT	SHEET NUMBER	TOTAL SHEETS
750 A-3	168	9	FAVETTE	21	22



**GUARDRAIL ELEVATION**



**TUBING SPLICE/EXPANSION JOINT DETAIL**

**SECTION A-A**

**SECTION B-B**

THIS SHEET SHALL BE USED IN CONSTRUCTION WITH STANDARD SHEETS BR-107A & B THRU BR-107A & B, BR-108, BR-109, BR-110, AND BR-111 AS APPLICABLE.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION					
DIVISION OF HIGHWAYS					
ENGINEERING DIVISION					
PAINT CREEK BRIDGE					
OVER					
PAINT CREEK					
ON					
COUNTY ROUTE 23					
PRESTRESSED CONCRETE BEAM					
TYPE TL-2 GUARDRAIL SYSTEM					
DESIGN & ASSEMBLY DETAILS					
DATE	BY	CHKD	APP'D	NO.	

**SECTION D-D**

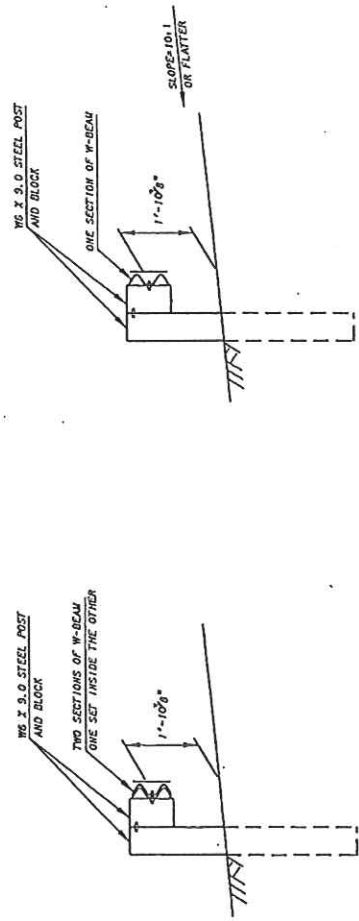
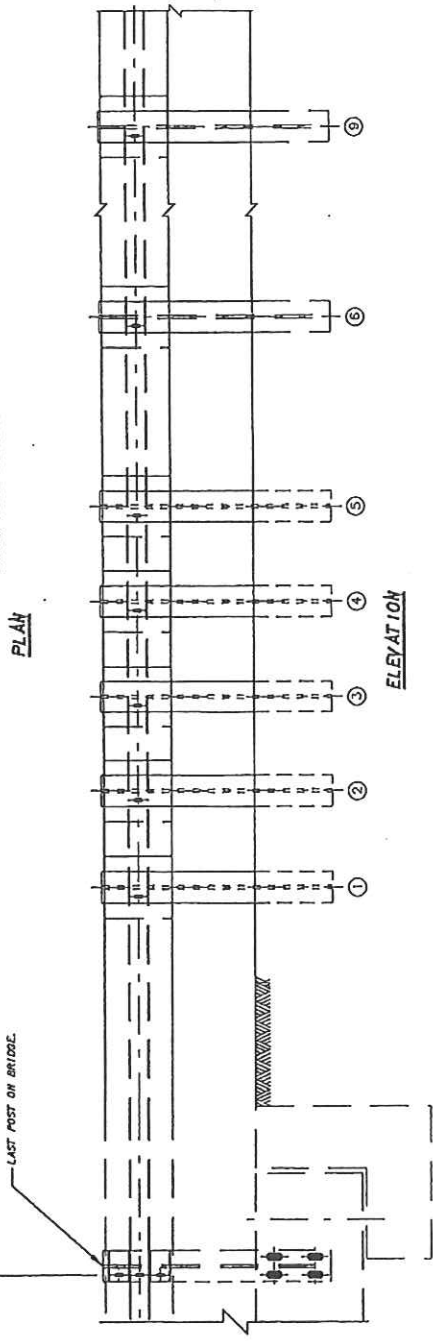
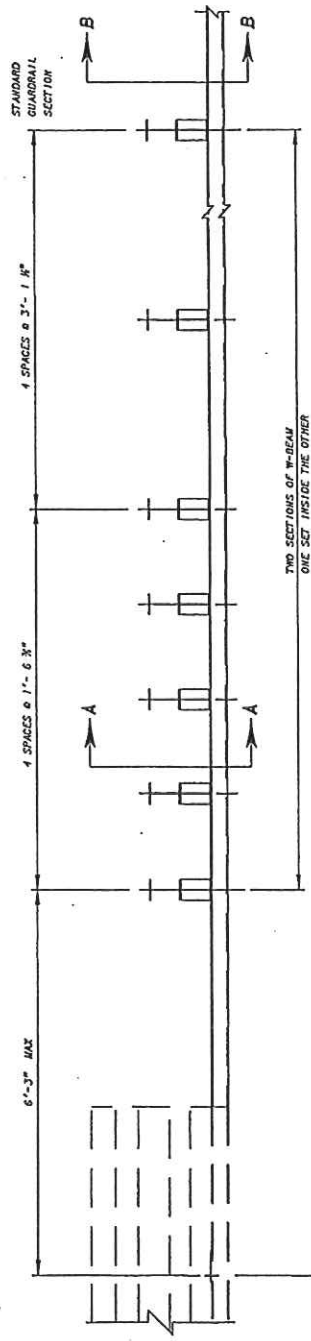
**SECTION E-E**

**SECTION F-F**

**SECTION G-G**

**SECTION H-H**

PROJECT NUMBERS		DISTRICT	COUNTY	SHEET	TOTAL
STATE	FEDERAL	5	FAYETTE	22	22
NO. 22	8.37				



**NOTES**

1. THIS GUARDRAIL TRANSITION IS APPROPRIATE FOR CONNECTION TO GUARDRAIL ON BRIDGE.
2. W-BEAM IS NOT BOLTED TO POSTS AT POSTS 2 THROUGH 4 AND POST 6.
3. SEE STANDARD SHEET BR-B104 FOR ANCHOR DETAILS.
4. THERE IS NO SEPARATE PAY ITEM FOR THIS CONNECTION AND ALL COMPONENTS AS DETAILLED HEREIN SHALL BE INCLUDED IN THE CONTRACT PRICE FOR GUARDRAIL.

THIS SHEET SHALL BE USED IN CONJUNCTION WITH STANDARD SHEETS BR-B174 & B THRU BR-B224 & D, BR-B100, BR-B101, BR-B102A & D, BR-B103 AND BR-B104 AS APPLICABLE.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS ENGINEERING DIVISION		DESIGNED BY: TWJ
PAINT CREEK BRIDGE OVER PAINT CREEK ON COUNTY ROUTE 23		DRAWN BY: TWJ
TYPE TL-2 GUARDRAIL TRANSITION		CHECKED BY: TWJ
		REVISED BY: TWJ
		DATE:
		SCALE:
		SHEET OF
		10942

APPROVED:	DATE:
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS ENGINEERING DIVISION	10-25-97
APPROVED CONCRETE NEW TYPE TL-2 GUARDRAIL SETTERS REFER TO ASSUMED DETAILS	
STANDARD SHEET BR-B106	

# VENDOR PREFERENCE CERTIFICATE


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

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

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

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

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

Bidder: EASTERN VAULT Co., INC. Signed:   
Date: 3-10-12 Title: GENERAL MANAGER

\*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.



STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**West Virginia Code §5A-3-10a states:** 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 the debt owed is an amount greater than one thousand dollars in the aggregate.

**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.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "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.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this 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.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

**WITNESS THE FOLLOWING SIGNATURE**

Vendor's Name: EASTERN VAULT CO., INC.

Authorized Signature: *[Signature]* Date: 02-27-2012

State of West Virginia

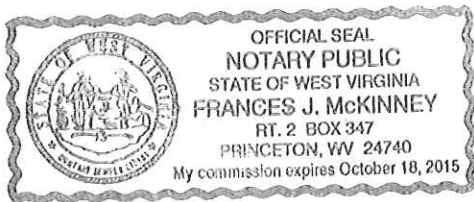
County of Mercer, to-wit:

Taken, subscribed, and sworn to before me this 27 day of February, 2012.

My Commission expires Oct 18, 2015.

**AFFIX SEAL HERE**

NOTARY PUBLIC *Frances J. McKinney*



**Please use this document for technical questions, posing in a question format**

**Please refer to the section your question is in reference to.**

Technical questions for RFQ# \_\_\_\_\_

Vendor Name: \_\_\_\_\_

Questions:

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