



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
06900286

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
MICHAEL AUSTIN
304-558-2402

VENDOR

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

PRINCETON WV 24740

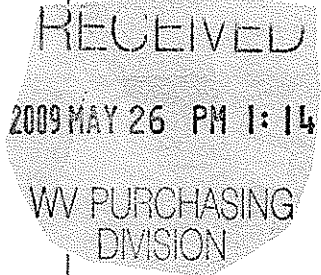
SHIP TO

DIVISION OF HIGHWAYS
JOBSITE
SEE SPECIFICATIONS

DATE PRINTED 05/10/2009	TERMS OF SALE NET 30	SHIP VIA OUR TRUCK	F.O.B. JOBSITE	FREIGHT TERMS NET 30
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BID OPENING DATE: **05/27/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		210-16	\$123,000.00	\$123,000.00
<p>1956 SF OF 42" DEEP PRESTRESSED CONCRETE BEAMS</p> <p>TO PROVIDE DEEP PRESTRESSED CONCRETE BEAMS WITH ACCESSORIES FOR STATE PROJECT S348-7-10.47, SUGAR CREEK BRIDGE PER THE ATTACHED SPECIFICATIONS.</p> <p>CLARIFICATION OF ATTACHED PLANS:</p> <p>BRIDGE GUARDRAIL IS TO BE SPACED 6'-3" NOT 3'-1 1/2"</p> <p>PLEASE CALL 24 HOURS BEFORE ANY DELIVERY @ 304-843-3656</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> <p>NO. 1</p> <p>NO. 2</p> <p>NO. 3</p> <p>NO. 4</p>						



SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>Brian P. Struble</i> BRIAN P. STRUBLE	TELEPHONE 304-425-8955	DATE 5-24-09	
TITLE GENERAL MANAGER	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. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. 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.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) 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.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** 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. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** 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



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

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 304-558-2402

VENDOR

*709042451 304-425-8955
 EASTERN VAULT COMPANY INC
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 PRINCETON WV 24740

SHIP TO

DIVISION OF HIGHWAYS
 JOBSITE
 SEE SPECIFICATIONS

DATE PRINTED 05/10/2009	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
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BID OPENING DATE: 05/27/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
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NO. 5

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.

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.

.....
 SIGNATURE

EASTERN VAULT Co., Inc.

.....
 COMPANY

5-24-09

.....
 DATE

REV. 11/96

NOTICE

A SIGNED BID MUST BE SUBMITTED TO:

DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 BUILDING 15
 2019 WASHINGTON STREET, EAST
 CHARLESTON, WV 25305-0130

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304-425-8955	DATE 5-24-09
TITLE GENERAL MANAGER	FEIN SS-0520255	ADDRESS CHANGES TO BE NOTED ABOVE

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05/10/2009				

BID OPENING DATE: 05/27/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: 33</p> <p>RFQ. NO.: 06900286</p> <p>BID OPENING DATE: -----</p> <p>BID OPENING TIME: -----</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: BRIAN STRUBLE 1-304-425-1171 (Fx)</p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY): (BRIAN P. STRUBLE)</p> <p>***** THIS IS THE END OF RFQ 06900286 ***** TOTAL: \$ 123,000.00</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE	TELEPHONE	DATE	
<i>Brian Struble</i>			
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	

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1. DESCRIPTION

The beams shall be 42" deep X 36" wide X 81'-6" long.

Two (2) exterior beams and six (6) interior beams are required.

In addition to the beams the fabricator shall also supply in accordance with the attached plans all associated items included but not limited to the following.

Guardrail Posts and Hardware attached to the exterior beams; Bearing Pads; Anchor Dowels; Post Tensioning Bars with Nuts and Bearing Plates and 2 extra nuts; Sponge Rubber Joint Filler, Washers, and Grout Stop.

2. ACCEPTANCE

Cracks developing in a beam may be cause for rejection of the beam. Cracks that are not detrimental to the structural integrity of the beam, as determined by the Division of Highways, may be accepted under the following conditions:

- 1) Cracks of 0.004 inch or less shall be treated with a second coat of a Division of Highways approved concrete sealer.
 - 2) Cracks of greater than 0.004 inch shall be treated by a Division of Highways approved epoxy injection methods.
- All concrete sealer and epoxy injection required for acceptance shall be performed at no additional cost to the Division of Highways.

3. DELIVERY

ALL BEAMS AND ACCESSORIES SHALL BE DELIVERED TO THE PROJECT SITE DURING THE WEEK OF JULY 20, 2009.

Upon receipt of a Purchase Order the Vendor shall submit shop drawings to the District Bridge Engineer within fifteen (15) calendar days. Shop drawings must be approved by the Division of Highways prior to the manufacture of any beam sections.

Should the Vendor fail to meet the above delivery schedule, liquidated damages will be assessed in accordance with Section 108.7 of the current Division of Highways Standard Specifications Roads and Bridges.

Sites for delivery of beam sections and accessories under this contract shall be accessible to equipment that is normally and customarily used for transportation of beam sections. Delivery will not be required where gross vehicle loaded weights will exceed the legal road or bridge load. Upon receipt of an approved Purchase Order, the Vendor must notify the District Bridge Engineer within ten (10) calendar days if delivery under the terms of this contract cannot be performed due to weight restrictions or roadway geometrics.

Prior to delivery, all Beams, Accessories and Optional Items shall be tested and accepted in accordance with Section 603 of the Division of Highways Standard Specifications Roads and Bridges adopted 1993, as modified by the July 1, 1998 Supplemental Specifications.

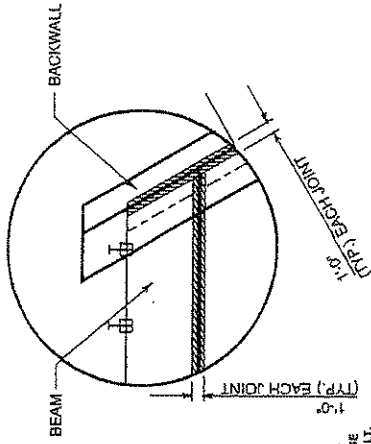
4. PARTIAL PAYMENT OF APPROVED BEAMS

Upon completion of manufacture and approval by the Division of Highways of all beams specified on Purchase Order, 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. Partial payment for the beams shall be subject to the following conditions:

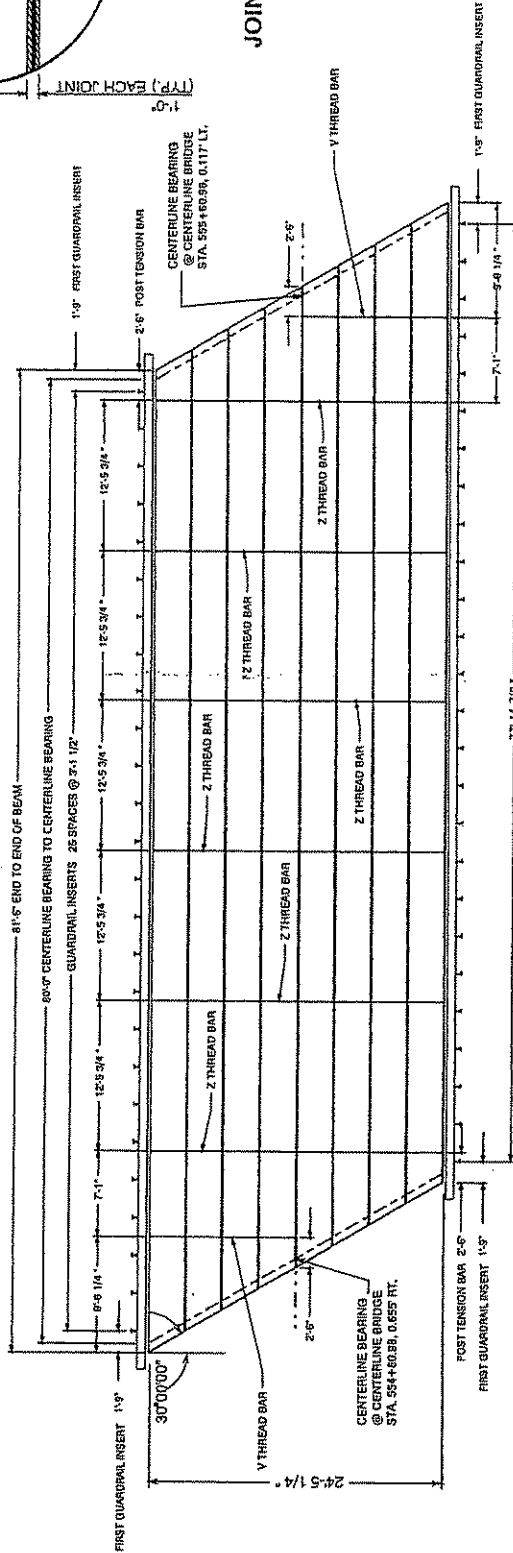
- a. The vendor must request partial payment and furnish an official invoice for the manufactured and approved beams.
- b. The partial payment invoice shall be accompanied by a surety bond equal to the invoiced amount guaranteeing delivery of all items specified on the Purchase Order.
- c. The vendor shall furnish a statement of approved beams condition and exact storage location.
- d. The vendor shall furnish a legal right-of-entry onto the storage site to Division of Highways' employees and/or agents for the purpose of inspecting, sampling, testing and removing any or all Beams.
- e. The vendor shall certify that the stored beams are suitably marked and identified as property of the Division of Highways and will not be for any purpose not designated by the Division.

NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10	NO. 11	NO. 12

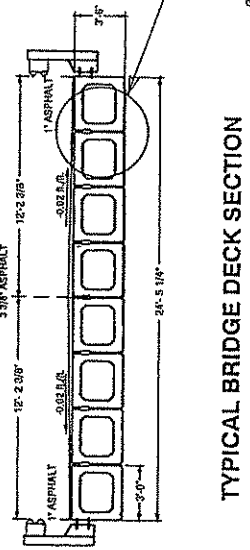
Butyl Waterproofing Membrane
12" Wide Centered Along Full
Length of Beam & Backwall



**JOINT WATERPROOFING
DETAIL**



DECK PLAN



TYPICAL BRIDGE DECK SECTION

Grout stop must be removed and
grout inspected for voids prior to
post-tensioning. Any voids deeper
than 2" from the bottom of the beams
must be re-grouted in a manner
acceptable to the project engineer.

NO.	DATE	BY	REVISION

**SUGAR CREEK BRIDGE
OVER SUGAR CREEK TYLER COUNTY
C.R. 17**

BEAM LAYOUT

DESIGN DATA FOR 42" DEPTH ADJACENT BOX BEAM

SPAN LENGTH 1 TO 6 BEARING	75'-0"	75'-0"	75'-0"	80'-0"	80'-0"	80'-0"	85'-0"	85'-0"	85'-0"	90'-0"	90'-0"	90'-0"	95'-0"	95'-0"	95'-0"	100'-0"	100'-0"	100'-0"
NO. OF 270 KSI 1/2" x 1/4" LOW-RELAXATION STRANDS, AREA/STRAND = 0.167 SQ. IN.	18	18	20	20	22	22	24	24	24	24	24	24	24	24	24	24	24	24
STANDARD POSITION NUMBER	ROW 1	ROW 1	ROW 2	ROW 2	ROW 3	ROW 3	ROW 4	ROW 4	ROW 4	ROW 4	ROW 4	ROW 4	ROW 4	ROW 4	ROW 4	ROW 4	ROW 4	ROW 4
PRESTRESSING FORCE IMMEDIATELY AFTER STRAND RELEASE, Pp1 (KIPS/BEAM)	104.56	104.56	121.38	121.38	137.20	137.20	153.02	153.02	153.02	153.02	153.02	153.02	153.02	153.02	153.02	153.02	153.02	153.02
EFFECTIVE PRESTRESSING FORCE AFTER ALL LOSSES, Ppe (KIPS/BEAM)	85.24	85.24	97.48	97.48	110.72	110.72	123.96	123.96	123.96	123.96	123.96	123.96	123.96	123.96	123.96	123.96	123.96	123.96
REQUIRED FACTORED MOMENT RESISTANCE, Mu (K-FT/BEAM)	1861	1861	2109	2109	2357	2357	2605	2605	2605	2605	2605	2605	2605	2605	2605	2605	2605	2605
TOTAL NO. DEBARRING STRANDS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
DEBARRING STRAND POSITION NUMBER & SHIELDING LENGTH FROM EACH END	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1	ROW 1
NUMBER & LENGTH ** x EXT TOP TENSION BARS @ EACH END	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14
NUMBER & LENGTH ** x EXT BOTTOM TENSION BARS @ EACH END	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14	3 - 14
DESIGN CHAMBER	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
** POSITIVE (UP)	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64
** FINAL	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
NO. OF INSERTS REQD.	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
NUMBER & SPACING OF 7L-2 QUADRANT INSERTS	1-9"	1-9"	1-9"	1-9"	1-9"	1-9"	1-9"	1-9"	1-9"	1-9"	1-9"	1-9"	1-9"	1-9"	1-9"	1-9"	1-9"	1-9"
SEE NOTE 6	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"	3'-1 1/2"
WEIGHT OF TYPICAL BEAM INCLUDING DIAPHRAGM (KIPS)	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1

NOTES

- BEAM WEIGHTS LISTED IN THE DESIGN TABLE ARE BASED ON ZERO SHEET, 2 FT. LONG ENBLOCK AND DIAPHRAGMS SPACED @ 15 FT. C/C. WEIGHTS FOR SKEWED BEAMS, LONGER ENBLOCKS AND ADDITIONAL DIAPHRAGMS SHOULD BE ADJUSTED ACCORDINGLY.
- FOR ADDITIONAL DIAPHRAGMS, ADD 700 LBS/OT/APPX/FT. FOR SHEW AND 41 LB/DEGREE OF SKEW/END.
- FOR LONGER ENBLOCK, ADD 840 LBS/FT/END.
- DESIGNERS SHOULD NOTE THAT DATA IN STANDARD TABLE IS BASED ON EVEN SPAN LENGTHS, A FIVE LANE STRUCTURE & BEAMS WITH SPAN-TO-DEPTH RATIOS AT OR EXCEEDING 25. THE TELEPHONE VALUES LISTED IN APPENDIX B OF PCI MANUAL FOR QUALITY CONTROL, MAR-1985, MAY BE USED FOR QUALITY CONTROL. FOR NON-STANDARD BRIDGES, DATA SHOULD BE VERIFIED AND IF REQUIRED NEW DESIGN DATA ENTERED INTO BLANK COLUMNS. IN NO CASE SHALL THE STANDARD DESIGN TABLE BE ALTERED.
- PREDICTED DESIGN CHAMBER VALUES LISTED IN THE TABLE ARE BASED ON EMPIRICAL FORMULAS AND AS SUCH ARE APPROXIMATE. FOR MEMBERS WITH SPAN-TO-DEPTH RATIOS AT OR EXCEEDING 25, THE TELEPHONE VALUES LISTED IN APPENDIX B OF PCI MANUAL FOR QUALITY CONTROL, MAR-1985, MAY BE USED FOR QUALITY CONTROL. FOR NON-STANDARD BRIDGES, DATA SHOULD BE VERIFIED AND IF REQUIRED NEW DESIGN DATA ENTERED INTO BLANK COLUMNS. IN NO CASE SHALL THE STANDARD DESIGN TABLE BE ALTERED.
- MEASUREMENT OF CHAMBER FOR COMPARISON TO PREDICTED DESIGN VALUES SHOULD BE CONDUCTED WITHIN 72 HOURS OF RELEASE. ADDITIONALLY, CHAMBER SHOULD BE EVALUATED UNDER CONDITIONS THAT MINIMIZE THE EFFECT OF TEMPERATURE VARIATION.
- DESIGNER, FABRICATOR, AND ERECTOR SHALL BE AWARE THAT SKEWED END BEAMS MAY TWIST OR WARP, CAUSING UNDESIRABLE BEAM SPACING. THE CONTRACTOR IS REQUIRED TO CORRECT AT THE TIME OF ERECTION BEFORE THE BEAMS ARE SECURED TO THE SUBGRADE. CORRECTIONS TO THE AN EVEN, TOTAL BEARING AND A LEVEL TOP BEAM SURFACE, TOLERANCE, AFTER CORRECTION SHALL BE 1/8" HIGH. THE FABRICATOR SHALL NOTIFY THE CONTRACTOR AND DESIGNER IF CORRECTIONS ARE REQUIRED PRIOR TO SHAPING.
- MAXIMUM BEAM SKEW SHALL BE 30 DEGREES.
- DESIGNER INPUT VALUES OF NUMBER OF INSERTS, DISTANCE FROM END OF BEAM TO 1st INSERT AND TO 2nd INSERT, ABOVE VALUES SHALL BE BASED ON THE REQUIRED 6"-3" QUADRANT POST SPACING ABOVE THE BRIDGE.
- THIS SHEET SHALL BE USED IN CONJUNCTION WITH STANDARD SHEETS BR-642A, BR-642B, BR-642C, BR-642D, BR-642E, BR-642F, BR-642G, BR-642H, BR-642I, BR-642J, BR-642K, BR-642L, BR-642M, BR-642N, BR-642O, BR-642P, BR-642Q, BR-642R, BR-642S, BR-642T, BR-642U, BR-642V, BR-642W, BR-642X, BR-642Y, BR-642Z.

STATE PROJECT NUMBER: S349-7-10-41

DESIGN NUMBER: 13 27

DATE: 01-88

PROJECT NAME: R/A

CORRECT: T/LEER

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.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

ENGINEERING DIVISION

SUGAR CREEK BRIDGE

OVER SUGAR CREEK

TYLER CO. C.R. 7

DESIGN TABLE FOR 42" PRESTRESSED BOX BEAM

STANDARD SHEET BR-642B

10227

DATE: 01-88

PROJECT NUMBER: S349-7-10-41

DESIGN NUMBER: 13 27

DATE PROJECT REVISED	19/4	DATE SHEET NO.	14
DATE PROJECT REVISED	19/4	DATE SHEET NO.	14

TITLE	SHEET NO.
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION	14

10.227
 WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 ENGINEERING DIVISION
 SUGAR CREEK BRIDGE
 OVER SUGAR CREEK
 TYLER CO. C.R. 7
 PRESTRESSED CONCRETE BEAM
 DESIGN & ASSEMBLY NOTES

DESIGN & ASSEMBLY NOTES
 STANDARD SHEET BR-8100

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 ENGINEERING DIVISION

SUGAR CREEK BRIDGE
 OVER SUGAR CREEK
 TYLER CO. C.R. 7
 PRESTRESSED CONCRETE BEAM

DESIGN & ASSEMBLY NOTES
 STANDARD SHEET BR-8100

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 ENGINEERING DIVISION

SUGAR CREEK BRIDGE
 OVER SUGAR CREEK
 TYLER CO. C.R. 7
 PRESTRESSED CONCRETE BEAM

DESIGN & ASSEMBLY NOTES
 STANDARD SHEET BR-8100

10.227
 WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 ENGINEERING DIVISION

SUGAR CREEK BRIDGE
 OVER SUGAR CREEK
 TYLER CO. C.R. 7
 PRESTRESSED CONCRETE BEAM

DESIGN & ASSEMBLY NOTES
 STANDARD SHEET BR-8100

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 ENGINEERING DIVISION

SUGAR CREEK BRIDGE
 OVER SUGAR CREEK
 TYLER CO. C.R. 7
 PRESTRESSED CONCRETE BEAM

DESIGN & ASSEMBLY NOTES
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DESIGN & ASSEMBLY NOTES
 STANDARD SHEET BR-8100

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 ENGINEERING DIVISION

SUGAR CREEK BRIDGE
 OVER SUGAR CREEK
 TYLER CO. C.R. 7
 PRESTRESSED CONCRETE BEAM

DESIGN & ASSEMBLY NOTES
 STANDARD SHEET BR-8100

GOVERNING SPECIFICATIONS

- THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS SPECIFICATIONS FOR BRIDGE DESIGN AND CONSTRUCTION SHALL BE USED AND MODIFIED BY THE CURRENT SUPPLEMENTAL SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND UNDERSTANDING ALL APPLICABLE SPECIFICATIONS AND THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT.
- ALL BEAMS ARE DESIGNED IN ACCORDANCE WITH THE WEST VIRGINIA BRIDGE DESIGN SPECIFICATIONS, DATED 1989 AS AMENDED BY THE 2003 INTERIM SPECIFICATIONS.

DESIGN NOTES

- DESIGN LOADS:
 - PC: 2003 LEAD IN ACCORDANCE WITH THE ASHTO LFD BRIDGE DESIGN SPECIFICATIONS.
 - FD: 2003 LEAD IN ACCORDANCE WITH THE ASHTO LFD BRIDGE DESIGN SPECIFICATIONS.
 - TYPE F PARAPET WEIGHING 321 PLF.
- TWO LANE BRIDGE WITH AN OVERALL WIDTH OF 24'-0" (INCL 3/4" GAP BETWEEN CURBS), A CURB-TO-CURB WIDTH OF 22'-4", TRANSVERSE POST-TENSIONING, AND ZERO SKIN.
- DESIGN STRENGTH AND UNIT STRESSES:

MINIMUM CONCRETE STRENGTH @ STRAND RELEASE	6000 PSI
MIDSPAN CONCRETE STRENGTH @ 28 DAYS	6000 PSI
TEMPERARY STRESS LIMITS IN CONCRETE BEFORE LOSSES	3600 PSI
COMPRESSION STRESS LIMIT @ STRAND RELEASE	280 PSI
TENSION STRESS LIMIT IN CONCRETE @ SERVICE I AFTER LOSSES	4000 PSI
@ FINAL I (95% DCL)	3800 PSI
@ FINAL I (50% DCL)	3200 PSI
TENSION STRESS LIMIT IN CONCRETE @ SERVICE III AFTER LOSSES	270 PSI
@ FINAL I (95% DCL)	202.5 KSI
@ FINAL I (50% DCL)	194.4 KSI
- DEBONDING OR SHELDING OF STRANDS TO REDUCE TEMPORARY TENSION STRESSES IS PERMITTED, HOWEVER DEBONDING IS LIMITED TO 40% PER ROW AND 25% TOTAL. IN NO INSTANCES SHALL OUTER STRANDS BE DEBONDED. DEBONDED STRANDS SHALL BE SEPARATED BY AT LEAST ONE FULLY BONDED STRAND AND SHALL BE STAGGERED ABOUT THE 1/2 OF THE BEAM.
- SHELDING OF STRANDS SHALL BE ACCOMPLISHED BY TAPING OR TIGHT FITTING PLASTIC TUBES TAPPED AT EACH END.
- THE ELASTOMER BEARING PADS 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, ASHTO LFD, BEVELED SIDE PLATES ARE PERMITTED.
- MAXIMUM BEAM SKEW SHALL BE 30 DEGREES.
- WHEN ALTERNATE DESIGNS OR SITE SPECIFIC DESIGNS ARE PROVIDED, CRITERIA SET FORTH IN THESE STANDARDS SHALL APPLY.
- NEGATIVE DESIGN CHARGER AFTER ALL LOSSES IS NOT PERMITTED.
- EACH BEAM PROVIDED IN THESE STANDARD DESIGNS HAS BEEN LEAD RATED IN ACCORDANCE WITH SECTION 3.10 OF THE WEST VIRGINIA DIVISION OF HIGHWAYS BRIDGE DESIGN MANUAL, 2004. ADDITIONALLY, LEAD RATING PROCEDURES ARE IN ACCORDANCE WITH THE ASHTO MANUAL FOR CONDITION EVALUATION AND LOAD AND RESISTANCE FACTOR RATING OF HIGHWAY BRIDGES, 2003.

POST-TENSIONING BASES

- POST - TENSIONING THREAD BARS SHALL BE ONE RICH DIAMETER 150 KSI STEEL, AND SHALL CONFORM TO ASHTO M275, TYPE II. STEEL THREAD BARS SHALL BE DESIGNED TO ALLOW THE USE OF HEAVY HEX NUTS AND COUPLERS THAT THREAD ONTO THE END OF THE DEFLECTIONS. HEAVY HEX NUTS AND COUPLERS SHALL BE OF A DESIGN AND MATERIAL RECOMMENDED BY THE BAR MANUFACTURER TO DEVELOP THE FULL TENSILE STRENGTH OF THE BAR. PROPERLY DOCUMENTED CERTIFIED MILL TEST REPORTS SHALL BE PROVIDED FOR EACH HEAT OF STEEL THREAD BARS.
- ALL POST-TENSIONING THREAD BARS, NUTS, BEARING PLATES, COUPLERS, AND HELICAL WIREWIRE SHALL BE NOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A101, THE GALVANIZING PLATE SHALL BE 10 MILS THICK. QUALITY CONTROL MEASURES TO SAFEGUARD AGAINST HYDROGEN BRITTLENESS, DUALITY CONTROL MEASURES TO COMPLY WITH ASTM A143, CERTIFICATION FOR HOT-DIP GALVANIZING SHALL BE PROVIDED BY THE GALVANIZING PLANT.
- ALL POST-TENSIONING BEARING PLATES SHALL CONFORM TO ASHTO M275, GRADE 36. **SEE KEY CIRCLE!**
- SHEAR KEY CROUT SHALL BE A CROUT THAT IS RECOMMENDED BY THE MANUFACTURER FOR A FOURABLE CROUT APPLICATION AND THAT BASED ON THE MANUFACTURER'S TEST DATA WILL ATTAIN A MINIMUM OF 4500 PSI COMPRESSIVE STRENGTH IN 3 DAYS UNDER CONDITIONS REPRESENTATIVE OF THE CONDITIONS TO BE EXPERIENCED AT THE SITE. THE CROUT MUST BE LISTED ON THE APPROVED LIST OF CROUTS PUBLISHED BY THE WEST VIRGINIA DIVISION OF HIGHWAYS, MATERIALS CONTROL, SOIL AND TESTING DIVISION. THE CONTRACTOR SHALL PRE-TEST THE PROPOSED CROUT FOR COMPRESSIVE STRENGTH AT 3 AND 7 DAYS AND SUBMIT THE RESULTS TO THE BRIDGE PROJECT-MANAGER FOR APPROVAL PRIOR TO INSTALLATION OF THE CROUT IN THE STRUCTURE. THE TESTS WILL BE BASED ON A FOURABLE CONSISTENCY WITH THE SAME WATER-CROUT MIXTURE RATIO TO BE USED IN THE STRUCTURE.
- THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT FOR EACH PROJECT, THE CROUT PRE-TEST RESULTS OBTAINED IN THE NOTE ABOVE. THE CONTRACTOR SHALL BE REQUIRED TO PERFORM A 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.
 - CROUT MANUFACTURER HAS BEEN OR CHANGED THE CROUT SPECIFICATIONS.
 - THE CONTRACTOR ALTERS THE WATER-CROUT MIXTURE RATIO.
 - THE CONTRACTOR CHANGES CROUT MANUFACTURER.
- THE CONTRACTOR IS REQUIRED TO COMPLETE THE CROUT STRENGTH TABLE BY BR-8100.
- TEST PROCEDURE FOR DETERMINING THE COMPRESSIVE STRENGTH OF CROUT SHALL USE CURS SPECIMENS IN ACCORDANCE WITH ASTM C109. AS MODIFIED BY ASTM C1097. CROUT TESTING IN ACCORDANCE WITH ASHTO T23 (STANDARD CYLINDER TEST) IS NOT ACCEPTABLE.

REINFORCEMENT SUBJECT TO BE REMOVED

- EACH PRESTRESSED CONCRETE BEAM SHALL BE TREATED BY THE MANUFACTURER AT THE FABRICATOR PLANT WITH AN APPROVED CONCRETE SEALER. IN AN APPROVED LIST OF CONCRETE SEALERS ARE ON FILE AT THE WEST VIRGINIA DIVISION OF HIGHWAYS MATERIALS CONTROL, SOIL AND TESTING DIVISION. COVERAGE SHALL INCLUDE TOP AND BOTTOM OF INTERIOR BEAMS AND TOP, BOTTOM AND EXTERIOR SIDE OF EXTERIOR BEAM. APPLICATION RATE SHALL BE PER TREATMENT MANUFACTURER'S RECOMMENDATION.
- AFTER COMPLETION OF THE SILENT TREATMENT BY FABRICATOR AND A MAXIMUM OF FIVE WORKING DAYS PRIOR TO SHIPMENT OF THE BEAMS, THE FABRICATOR SHALL BE RESPONSIBLE FOR AGGRESSIVE BLAST CLEANING TO CLEAN WHITE CONCRETE THE INTERIOR SIDES OF BEAMS FOR THE FULL LENGTH. CLEAN WHITE CONCRETE SHALL BEAR REGRAD OF ALL OIL, GREASE, OIL, AND LOOSE CONCRETE LANTANCE AND PROVIDE A ROUGHENED CONCRETE SURFACE. BLASTING MEDIUM SHALL BE APPROVED BY THE DIVISION OF HIGHWAYS.

SHOR BEAMS

- THE FABRICATOR SHALL BE RESPONSIBLE FOR THE PREPARATION OF SHOP DRAWINGS IN ACCORDANCE WITH THE WEST VIRGINIA DIVISION OF HIGHWAYS DOCUMENTS, D0-102 AND THE STANDARD SPECIFICATIONS. ADDITIONAL INFORMATION IS PROVIDED IN SECTION 7 OF THE BRIDGE DESIGN MANUAL. SHOP DRAWINGS SHALL INCLUDE THE FABRICATOR'S DETAILING PLAN.

**WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 ENGINEERING DIVISION**

SUGAR CREEK BRIDGE
 OVER SUGAR CREEK
 TYLER CO. C.R. 7
 PRESTRESSED CONCRETE BEAM

DESIGN & ASSEMBLY NOTES
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 PRESTRESSED CONCRETE BEAM

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MATERIALS & FABRICATION NOTES

- THE PRESTRESSED CONCRETE BEAMS SHALL CONFORM TO ALL APPLICABLE PROVISIONS OF SECTION 603 OF THE STANDARD SPECIFICATIONS.
- WELD REINFORCEMENT:
 - ALL WELD REINFORCING STEEL SHALL BE GRADE 60, DEFORMED BILLET STEEL, AND SHALL BE EPOXY COATED EXCEPT WHERE NOTED. ALL UNCOATED REINFORCING SHALL MEET THE REQUIREMENTS OF ASHTO M61. ALL EPOXY COATED REINFORCING SHALL MEET THE REQUIREMENTS OF ASHTO M84, EXCEPT WHERE AMENDED BY SECTION 708.1 OF THE STANDARD SPECIFICATIONS.
 - ALL TENSION LAP SPICES SHALL BE IN CLASS B CONTACT TYPE. MINIMUM LAP SPICE LENGTHS SHALL BE AS GIVEN IN THE "LAP SPICES" TABLE. THIS SHEET, ADDITIONALLY, IF LAP SPACING OF ETLER AND OT BARS IS USED, TERMINATION OF THE SPICES SHALL BE NO CLOSER TO THE END OF THE BEAM THAN 1/10 OF THE SPAN LENGTH.
 - MINIMUM BAR BENDING DIAMETER SHALL BE 6 BAR DIAMETERS, EXCEPT THAT NO. 4 BAR BARS MAY HAVE A MINIMUM BEND DIAMETER OF 4 BAR DIAMETERS.
 - MINIMUM CONCRETE COVER SHALL BE AS SPECIFIED IN SECTION 603.2 OF THE STANDARD SPECIFICATIONS, EXCEPT WHERE NOTED ON THE PLANS.
- PRESTRESSING STRAND:
 - ALL PRESTRESSING STEEL SHALL BE 1/2" x GRADE 270, 7 WIRE UNCOATED, LOW-RELAXATION STRAND MEETING THE REQUIREMENTS OF ASHTO M202, SUPPLEMENT 51.
 - ALL BEAMS DESIGNED IN THESE STANDARDS UTILIZE STRANDS WITH A NOMINAL AREA OF 0.167 SQ. IN. STRANDS WITH A NOMINAL AREA OF 0.153 SQ. IN. IS PERMITTED FOR INDIVIDUAL OR ALTERNATE BEAMS, HOWEVER 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 STRIPPER CASE FOR THE FULL LENGTH OF THE BEAM.
 - ALL EXPOSED PRESTRESSING STRAND AT EACH BEAM END SHALL BE SHOP COATED WITH A LIQUID COLD-APPLIED BITUMINOUS ELASTOMERIC WATERPROOFING MEMBRANE. MATERIAL SHALL MEET ASTM D28-94.
 - ALL CONCRETE USED IN MANUFACTURING PRESTRESSED CONCRETE BEAMS SHALL MEET THE REQUIREMENTS OF SECTION 603 OF THE STANDARD SPECIFICATIONS. SECTION STRENGTHS SHALL MEET OR EXCEED THE MINIMUM VALUES SET FORTH IN THESE PLANS.
 - ALL CONCRETE USED IN PARAPETS AND CURBS SHALL BE CLASS K CONCRETE.
- ELASTOMER BEARING PADS:
 - ALL BEARING PADS SHALL MEET THE APPLICABLE REQUIREMENTS AS SET FORTH IN SECTION 10.2 OF THE ASHTO LFD BRIDGE CONSTRUCTION SPECIFICATIONS, 1998 EDITION WITH CURRENT INTERIMS. ALL BEARINGS SHALL BE STEEL REINFORCED LAMINATED BEARINGS.
 - THE ELASTOMER MATERIAL SHALL BE 60 DUROMETERS WITH A MINIMUM LOW TEMPERATURE GRADE OF 3 (ZONE C).
 - ALL STEEL REINFORCING SHALL MEET THE REQUIREMENTS OF ASHTO M270, GRADE 36.
- QUADRANT, QUADRANT, LISTS, LUBING & JOSELES:
 - ALL SHEAR GUARDRAIL AND ATTACHMENT HARDWARE SHALL BE IN ACCORDANCE WITH SECTION 712.4 OF THE STANDARD SPECIFICATIONS, QUADRANT, POTS, STRUCTURAL TUBING, PIST ATTACHMENT INSERTS, AND HARDWARE SHALL MEET THE LISTED MATERIAL AND COATING SPECIFICATIONS.

ITEM

ITEM	DESCRIPTION	MATERIAL SPEC.	COATING SPEC.
POST	W6x25	ASHTO M270, GR 36	ASHTO M21
PLATE	1/2" x 7"	ASHTO M270, GR 36	ASHTO M21
TUBING	15 B4x2 1/8	ASTM A500, GR 36	ASHTO M21
CHANNEL	C7x5.8	ASHTO M270, GR 36	ASHTO M21
FERRULE	TYPE 2A 1/4" x 2 1/4" MIN. LEN.	ASTM A508 H117 STEEL	ASHTO M222
WIRE	ANCHOR 3/8"	ASTM A307 (1016 STEEL)	ASHTO M222
STUDS	1/4" x 6" LONG	ASTM A308 (1045 C.S. STEEL)	ASHTO M222
NUTS	1/4"	ASTM A307, CLASS C	ASHTO M222
COUPLERS	TYPE 1A 1/4" x 5" LONG	ASTM A308 (1214 STEEL)	ASHTO M222
BOLTS	1/4" x 12" LONG	ASTM A308 (TYPE I, RH)	ASHTO M222
BOLTS	3/8" x 3" ALL LEN.	ASTM A308 (TYPE I, RH)	ASHTO M222
WASHERS	3/8"	ASTM A307, CLASS C	ASHTO M222
ANCHORS	ALL	ASHTO M223	ASHTO M222

BELOW:

- TACK WELDING OF REINFORCEMENT IS NOT PERMITTED. REINFORCING CAGES AND LONGITUDINAL STEEL SHALL BE ADEQUATELY TIED WITH APPROVED BEAMS TO PREVENT PACKING AND MISALIGNMENT.
- ALL WELDING OF FABRICATED ITEMS, AS SHOWN IN THESE PLANS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF ASHTO/M205 D15.3.002.

WELD SPICE TABLE

BAR SIZE	NO. 3	NO. 4	NO. 5	NO. 6
SPICE LEN.	31"	28"	34"	41"

THIS SHEET SHALL BE USED IN CONJUNCTION WITH STANDARD SHEETS BR-8101 & 8102, BR-8104 & 8105, BR-8106, BR-8108, BR-8109, BR-8110, BR-8111, BR-8112, BR-8113, BR-8114, BR-8115, BR-8116, BR-8117, BR-8118, BR-8119, BR-8120, BR-8121, BR-8122, BR-8123, BR-8124, BR-8125, BR-8126, BR-8127, BR-8128, BR-8129, BR-8130, BR-8131, BR-8132, BR-8133, BR-8134, BR-8135, BR-8136, BR-8137, BR-8138, BR-8139, BR-8140, BR-8141, BR-8142, BR-8143, BR-8144, BR-8145, BR-8146, BR-8147, BR-8148, BR-8149, BR-8150, BR-8151, BR-8152, BR-8153, BR-8154, BR-8155, BR-8156, BR-8157, BR-8158, BR-8159, BR-8160, BR-8161, BR-8162, BR-8163, BR-8164, BR-8165, BR-8166, BR-8167, BR-8168, BR-8169, BR-8170, BR-8171, BR-8172, BR-8173, BR-8174, BR-8175, BR-8176, BR-8177, BR-8178, BR-8179, BR-8180, BR-8181, BR-8182, BR-8183, BR-8184, BR-8185, BR-8186, BR-8187, BR-8188, BR-8189, BR-8190, BR-8191, BR-8192, BR-8193, BR-8194, BR-8195, BR-8196, BR-8197, BR-8198, BR-8199, BR-8200.

PROJECT NUMBER	5249-7-10-17	DATE	8/1/54	COUNTY	TYLER	SHEET NO.	15	TOTAL SHEETS	27
PROJECT NAME	H/A	DESIGNER	H/A	DATE	8/1/54	BY	TYLER	CHECKED	

DESCRIPTION	CODE	VALUE
OVERALL BEAM LENGTH	A	81'-0"
SPAN LENGTH, & SPANSE TO FACE	B	80'-0"
SUPERSTRUCTURE BUILT OUT TO GUT	C	24'-5 1/2"
NUMBER OF PARAPETS TO FACE OF PARAPET	D	24'-4 1/2"
NUMBER OF BEAMS REQUIRED	E	8
BEAM SIZE (WIDTH x HEIGHT)	F	3'-0" x 42"
STEP ANGLE	G	30°
BEAM TO FACE OF PARAPET (SEE DET. OF DET. OF DET. OF DET.)	H	7 1/2"
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	I	YES
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	J	3 1/2"
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	K	1"
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	L	YES
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	M	YES
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	N	NO
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	O	0
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	P	NO
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	Q	NO
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	R	NO
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	S	NO
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	T	NO
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	U	NO
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	V	NO
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	W	NO
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	X	NO
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	Y	NO
THICKNESS OF SLABING COVER OF FACE OF BEAM TO FACE OF PARAPET	Z	NO

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 ENGINEERING DIVISION

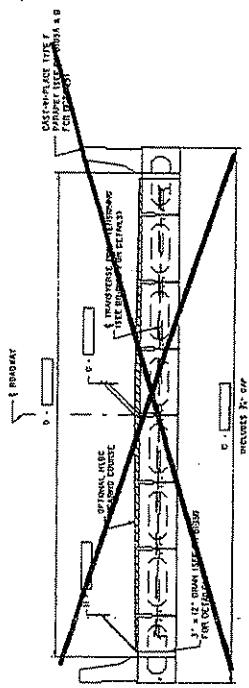
SUGAR CREEK BRIDGE
 OVER SUGAR CREEK
 TYLER CO. C.R. 7

PRESTRESSED CONCRETE BEAM
 DESIGN & ASSEMBLY NOTES

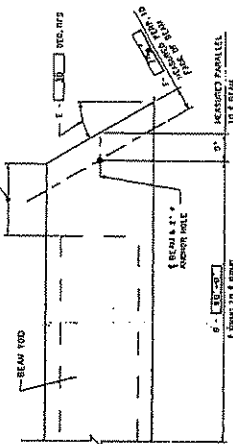
STANDARD SHEET BR-6101

DESIGNER: H/A
 CHECKER: H/A
 DATE: 8/1/54
 SHEET NO. 15 OF 27
 TOTAL SHEETS 27

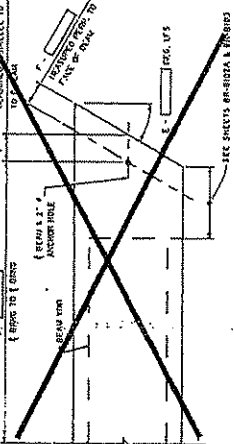
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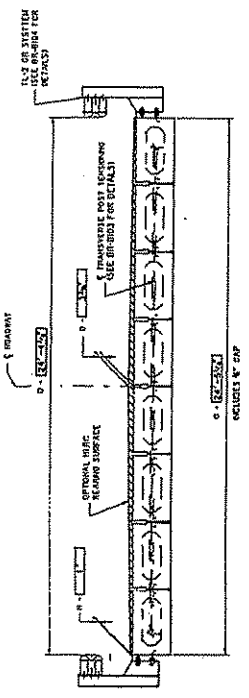
TYPICAL CROSS-SECTION WITH GUARDRAIL



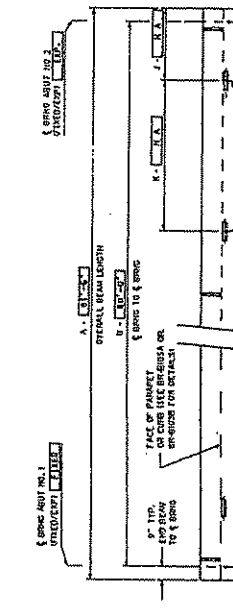
TYPICAL CROSS-SECTION WITH PARAPET OR CURB



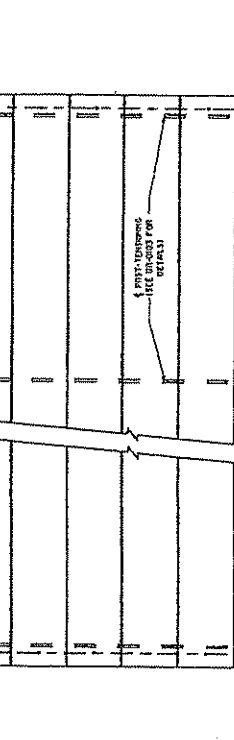
BEAM PLAN VIEW - SKINNED ENDS



TYPICAL CROSS-SECTION WITH GUARDRAIL



TYPICAL CROSS-SECTION WITH GUARDRAIL



DECK PLAN VIEW

ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
6000A	PRESTRESSED CONCRETE BOX BEAM 14"	LF	662

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 ENGINEERING DIVISION

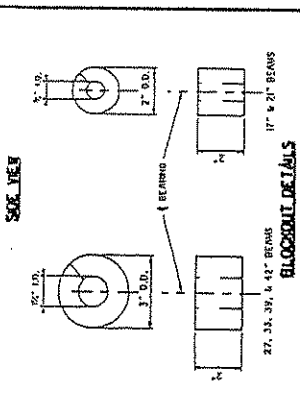
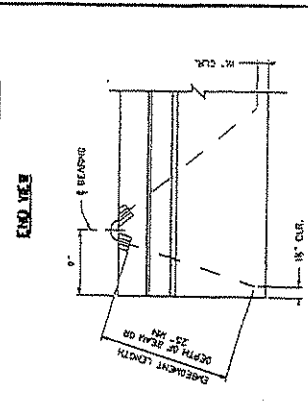
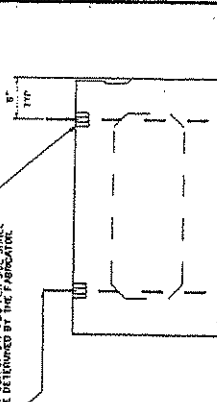
STANDARD SHEET BR-6101

DESIGNER: H/A
 CHECKER: H/A
 DATE: 8/1/54
 SHEET NO. 15 OF 27
 TOTAL SHEETS 27

- NOTES:
- WHEN ORDER GUARDRAIL IS TO BE SUPPLIED BY THE BEAM FABRICATOR, ALL REINFORCING BARS TO BE USED IN THE GUARDRAIL SHALL BE SUPPLIED BY THE FABRICATOR. ALL REINFORCING BARS TO BE USED IN THE BEAM SHALL BE SUPPLIED BY THE FABRICATOR.
 - WHEN ORDER GUARDRAIL IS TO BE SUPPLIED BY THE BEAM FABRICATOR, ALL REINFORCING BARS TO BE USED IN THE GUARDRAIL SHALL BE SUPPLIED BY THE FABRICATOR. ALL REINFORCING BARS TO BE USED IN THE BEAM SHALL BE SUPPLIED BY THE FABRICATOR.
 - THIS SHEET SHALL BE USED IN CONJUNCTION WITH STANDARD SHEETS BR-6101, BR-6102, BR-6103, BR-6104, BR-6105, BR-6106, BR-6107, BR-6108, BR-6109, BR-6110, BR-6111, BR-6112, BR-6113, BR-6114, BR-6115, BR-6116, BR-6117, BR-6118, BR-6119, BR-6120, BR-6121, BR-6122, BR-6123, BR-6124, BR-6125, BR-6126, BR-6127, BR-6128, BR-6129, BR-6130, BR-6131, BR-6132, BR-6133, BR-6134, BR-6135, BR-6136, BR-6137, BR-6138, BR-6139, BR-6140, BR-6141, BR-6142, BR-6143, BR-6144, BR-6145, BR-6146, BR-6147, BR-6148, BR-6149, BR-6150, BR-6151, BR-6152, BR-6153, BR-6154, BR-6155, BR-6156, BR-6157, BR-6158, BR-6159, BR-6160, BR-6161, BR-6162, BR-6163, BR-6164, BR-6165, BR-6166, BR-6167, BR-6168, BR-6169, BR-6170, BR-6171, BR-6172, BR-6173, BR-6174, BR-6175, BR-6176, BR-6177, BR-6178, BR-6179, BR-6180, BR-6181, BR-6182, BR-6183, BR-6184, BR-6185, BR-6186, BR-6187, BR-6188, BR-6189, BR-6190, BR-6191, BR-6192, BR-6193, BR-6194, BR-6195, BR-6196, BR-6197, BR-6198, BR-6199, BR-6200.

STATE PROJECT NUMBER	CONTRACT	MARK SHEET NO.	DATE
SR-10-11	6	15	27

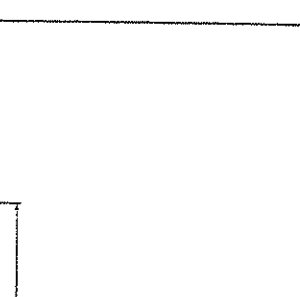
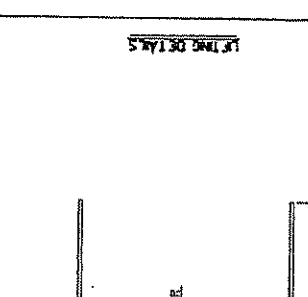
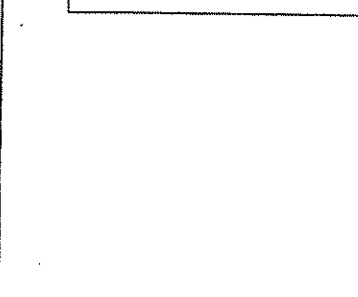
THIS SHEET IS FOR THE DESIGN OF THE END BLOCK OF THE BRIDGE. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR BRIDGE STRUCTURES, AND THE REQUIREMENTS OF THE DESIGN MANUAL FOR BRIDGE STRUCTURES, AND THE REQUIREMENTS OF THE DESIGN MANUAL FOR BRIDGE STRUCTURES.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
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SUGAR CREEK BRIDGE
OVER SUGAR CREEK
TYLER CO. C.R. 7

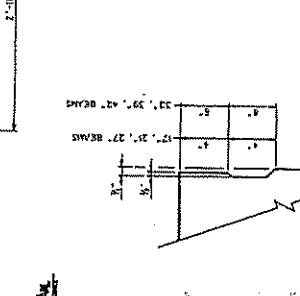
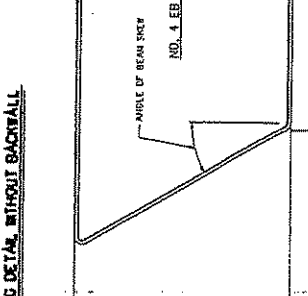
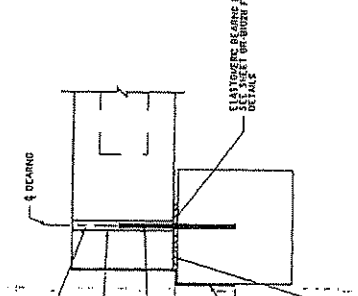
DESIGNED BY: 10/27
CHECKED BY: 11/10
REVISED BY: 11/10
DATE: 02-88
SCALE: 1/4" = 1'-0"
SHEET NO. OF 21
PROJECT NO. 10227



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

PRESTRESSED CONCRETE BEAM
SHEARED END REINFORCING
MSC DESIGN AND ASSEMBLY DETAILS

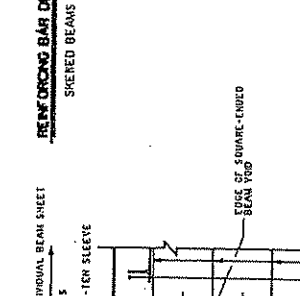
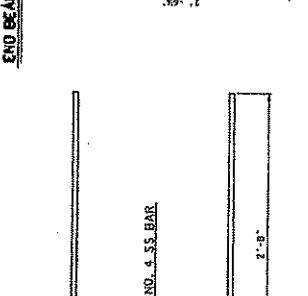
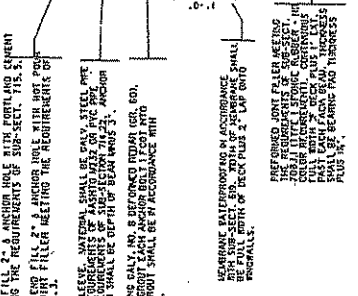
STANDARD SHEET BR-8102A



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

PRESTRESSED CONCRETE BEAM
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MSC DESIGN AND ASSEMBLY DETAILS

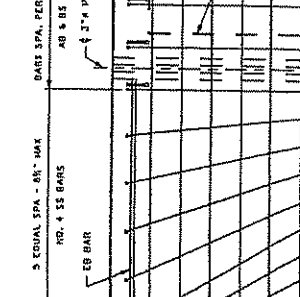
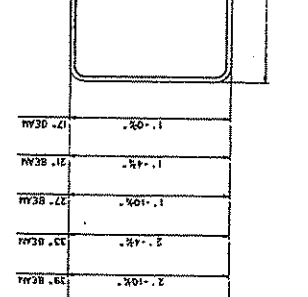
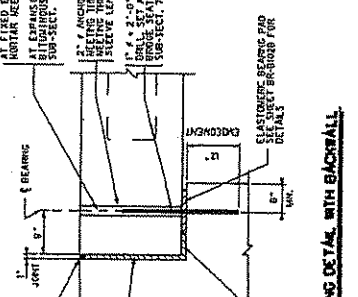
STANDARD SHEET BR-8102A



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

PRESTRESSED CONCRETE BEAM
SHEARED END REINFORCING
MSC DESIGN AND ASSEMBLY DETAILS

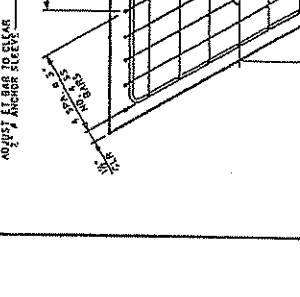
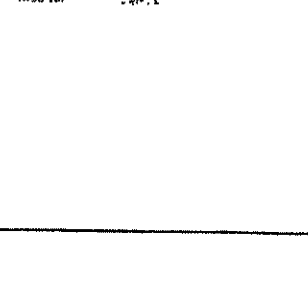
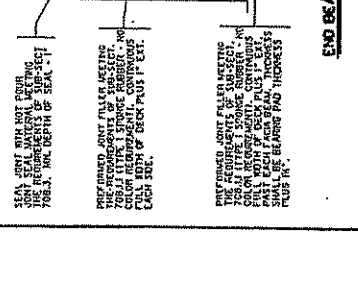
STANDARD SHEET BR-8102A



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

PRESTRESSED CONCRETE BEAM
SHEARED END REINFORCING
MSC DESIGN AND ASSEMBLY DETAILS

STANDARD SHEET BR-8102A

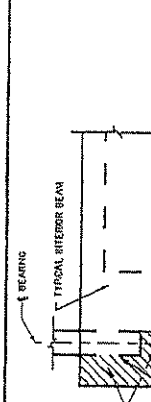


WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

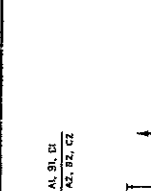
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SHEARED END REINFORCING
MSC DESIGN AND ASSEMBLY DETAILS

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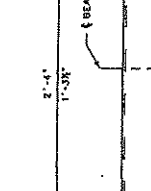
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5848-7-10-41	16A	6	TYLER	11	27



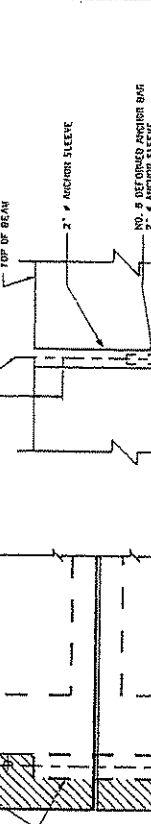
ANCHOR SLEEVE DETAIL
 2" Ø ANCHOR SLEEVE
 1/2" Ø REBAR
 1/2" THICKNESS
 STEEL PIPE IS USED FOR ANCHOR SLEEVE. REPAIR DAMAGED GALVANIZING WITH GALVALUM ON EQUAL.



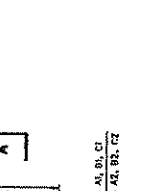
DEEP GROOVE DETAIL
 1/2" RADIUS
 2" WIDTH
 1/2" DEPTH
 EXTERIOR BEAMS



SHEAR BLOCKOUT DETAIL
 1/2" RADIUS
 2" WIDTH
 1/2" DEPTH
 EXTERIOR BEAMS



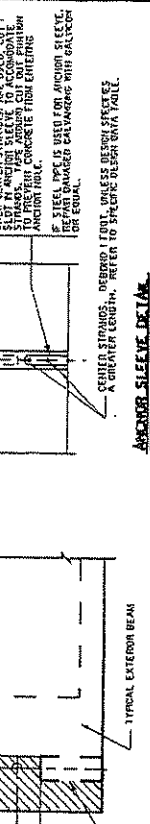
PLAN VIEW - BEARING PLACEMENT
 TYPICAL INTERIOR BEAM
 TYPICAL EXTERIOR BEAM
 2" WIDTH
 1/2" THICKNESS



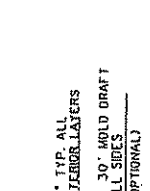
PLAN VIEW - BEARING PLACEMENT
 TYPICAL INTERIOR BEAM
 TYPICAL EXTERIOR BEAM
 2" WIDTH
 1/2" THICKNESS



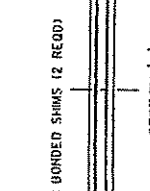
PLAN VIEW - BEARING PLACEMENT
 TYPICAL INTERIOR BEAM
 TYPICAL EXTERIOR BEAM
 2" WIDTH
 1/2" THICKNESS



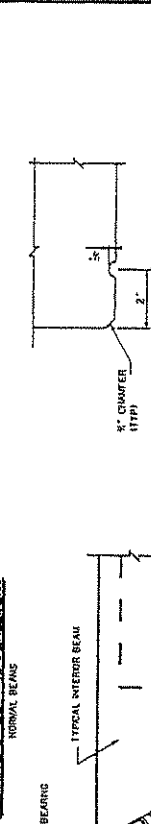
SECTION A-A
 1/2" RADIUS
 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS



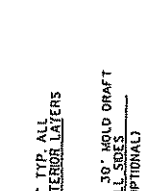
SECTION A-A
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 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS



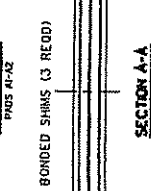
SECTION A-A
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 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS



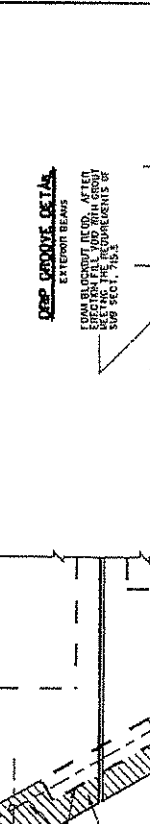
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 1/2" THICKNESS
 INTERIOR BEAMS



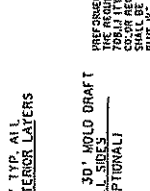
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 1/2" THICKNESS
 INTERIOR BEAMS



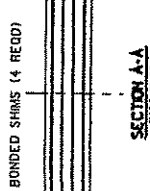
SECTION A-A
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 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS



SECTION A-A
 1/2" RADIUS
 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS



SECTION A-A
 1/2" RADIUS
 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS



SECTION A-A
 1/2" RADIUS
 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS



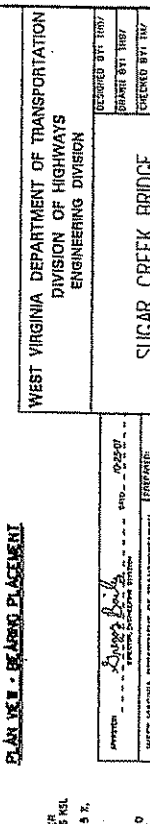
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 1/2" THICKNESS
 INTERIOR BEAMS



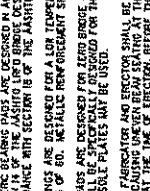
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 1/2" THICKNESS
 INTERIOR BEAMS



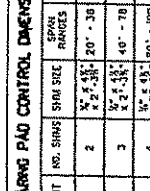
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 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS



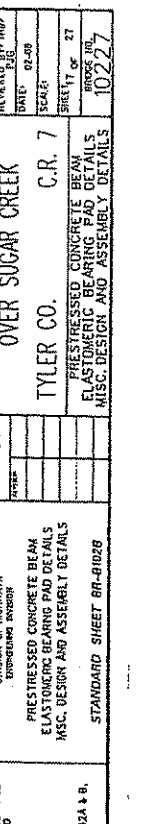
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 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS



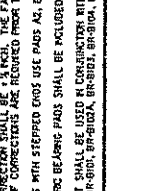
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 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS



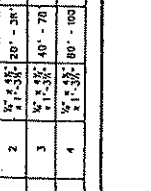
SECTION A-A
 1/2" RADIUS
 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS



SECTION A-A
 1/2" RADIUS
 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS



SECTION A-A
 1/2" RADIUS
 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS



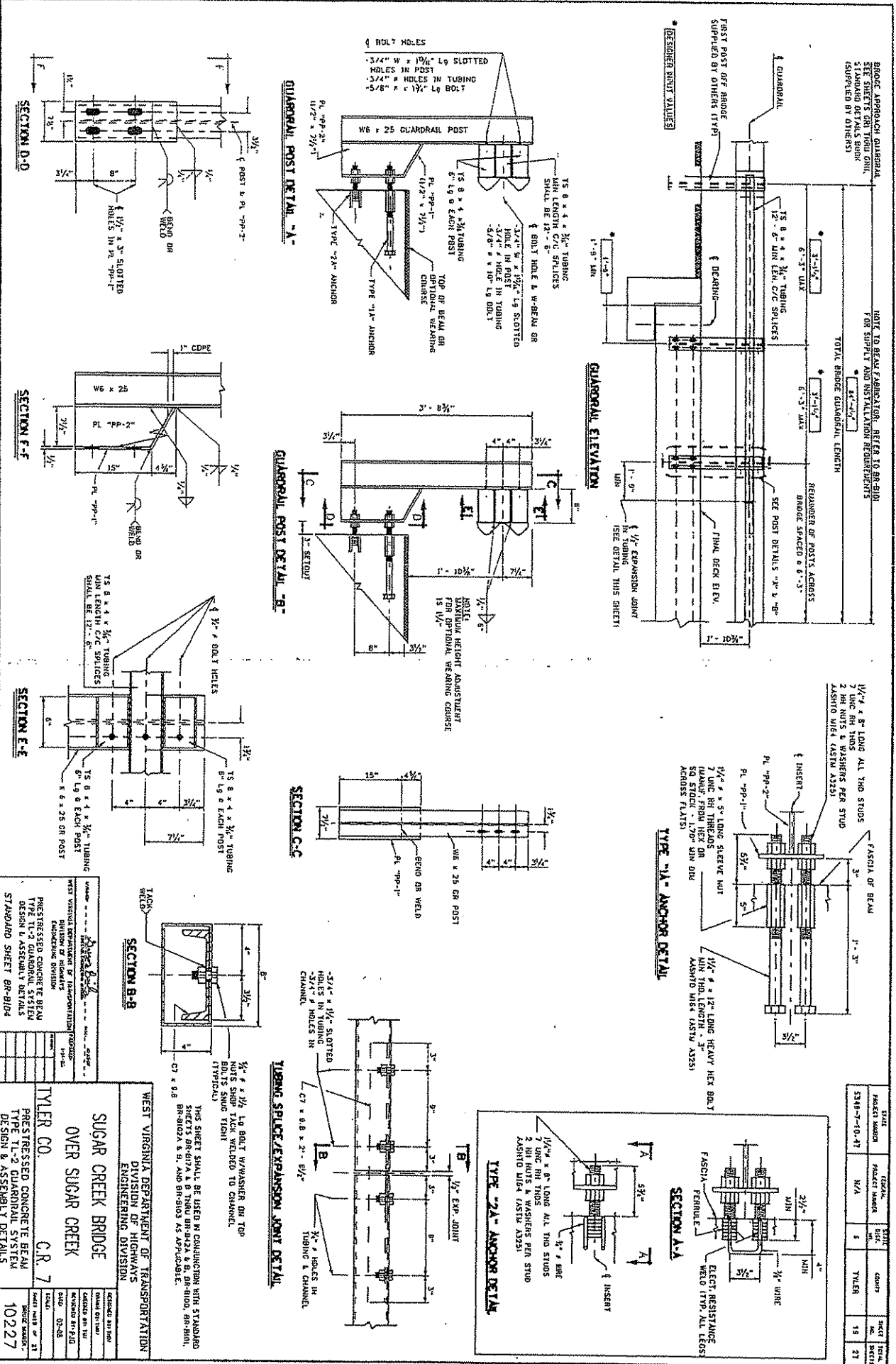
SECTION A-A
 1/2" RADIUS
 2" WIDTH
 1/2" THICKNESS
 INTERIOR BEAMS

PAD	LENGTH	WIDTH	HEIGHT	NO. SHIMS	SHIM SIZE	SPALL RANGES	COMBINATION REACTING DIM. DIRECTION	WARRANTY MOVEMENT
A1	48"	28"	18"	2	2" x 2" x 1/2"	20" - 36"	55 MPa	0.39"
B1	48"	28"	18"	3	2" x 2" x 1/2"	40" - 78"	75 MPa	0.80"
C1	48"	28"	18"	4	2" x 2" x 1/2"	80" - 100"	89 MPa	1.02"
A2	48"	158"	18"	2	2" x 2" x 1/2"	20" - 36"	20 MPa	0.39"
B2	48"	158"	18"	3	2" x 2" x 1/2"	40" - 78"	38 MPa	0.80"
C2	48"	158"	18"	4	2" x 2" x 1/2"	80" - 100"	43 MPa	1.02"

BOX BEAM BEARING PAD CONTROL DIMENSIONS

NOTES:
 1. ALL BEARING BEAMS MUST BE DESIGNED IN ACCORDANCE WITH DESIGN METHOD B CONTAINED IN SECTION 10 OF THE AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS.
 2. ALL BEARINGS ARE DESIGNED FOR ALLOWED TEMPERATURE RANGE 0 AND SHALL HAVE A SURFACE HARDNESS OF 80. METALLIC REINFORCEMENT SHALL HAVE A MINIMUM YIELD STRENGTH OF 36 KSI.
 3. BEARING PADS ARE DESIGNED FOR ZERO BRIDGE GRADE. FOR BRIDGE GRADES OPERATING WITHIN 5% BEYOND SHALL BE SPECIFICALLY DESIGNED FOR THE GRADE, AS AN ALTERNATE, CAST-IN-PLACE.
 4. DESIGNER, FABRICATOR AND ERECTOR SHALL BE AWARE THAT SKEWED PAD BEAMS MAY FIRST BE WARP, LEADING TO EVEN BEAM SEATING AT THE BEARINGS. THE CONTRACTOR IS REQUIRED TO CORRECT CORRECTION SHALL BE 1/8 INCH. TOTAL BEARING PAD LEVEL TO BE MAINTAINED TO 1/8 INCH. BEARING P CORRECTIONS ARE REQUIRED PRIOR TO SURFMENT.
 5. FOR BEAMS WITH STEPPED 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 SHEET SHALL BE USED IN CONJUNCTION WITH STANDARD SHEETS BR-95A & B, BR-95C, BR-95D, BR-95E, BR-95F, BR-95G, BR-95H, BR-95I, BR-95J, BR-95K, BR-95L, BR-95M, BR-95N, BR-95O, BR-95P, BR-95Q, BR-95R, BR-95S, BR-95T, BR-95U, BR-95V, BR-95W, BR-95X, BR-95Y, BR-95Z, BR-95AA, BR-95AB, BR-95AC, BR-95AD, BR-95AE, BR-95AF, BR-95AG, BR-95AH, BR-95AI, BR-95AJ, BR-95AK, BR-95AL, BR-95AM, BR-95AN, BR-95AO, BR-95AP, BR-95AQ, BR-95AR, BR-95AS, BR-95AT, BR-95AU, BR-95AV, BR-95AW, BR-95AX, BR-95AY, BR-95AZ, BR-95BA, BR-95BB, BR-95BC, BR-95BD, BR-95BE, BR-95BF, BR-95BG, BR-95BH, BR-95BI, BR-95BJ, BR-95BK, BR-95BL, BR-95BM, BR-95BN, BR-95BO, BR-95BP, BR-95BQ, BR-95BR, BR-95BS, BR-95BT, BR-95BU, BR-95BV, BR-95BW, BR-95BX, BR-95BY, BR-95BZ, BR-95CA, BR-95CB, BR-95CC, BR-95CD, BR-95CE, BR-95CF, BR-95CG, BR-95CH, BR-95CI, BR-95CJ, BR-95CK, BR-95CL, BR-95CM, BR-95CN, BR-95CO, BR-95CP, BR-95CQ, BR-95CR, BR-95CS, BR-95CT, BR-95CU, BR-95CV, BR-95CW, BR-95CX, BR-95CY, BR-95CZ, BR-95DA, BR-95DB, BR-95DC, 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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION
SUGAR CREEK BRIDGE
OVER SUGAR CREEK
TYLER CO. C.R. 7
FRESHRESSED CONCRETE BEAM
ELASTOMER BEARING PAD DETAILS
MISC. DESIGN AND ASSEMBLY DETAILS
DESIGNED BY: THT
CHECKED BY: THT
REVIEWED BY: THT
DATE: 02-08
SCALE: 1/4" = 1'-0"
SHEET NO. 27
PROJECT NO. 10227



ITEM	QUANTITY	UNIT	REMARKS
5348-7-10-47	N/A		
5	TYLER		
14			
27			

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

SUGAR CREEK BRIDGE
OVER SUGAR CREEK
C.R. 7

PRESSTRESSED CONCRETE BEAM
TYPE 11-2 GUARDRAIL SYSTEM
DESIGN & ASSEMBLY DETAILS

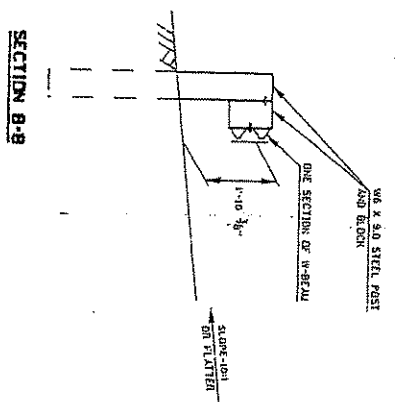
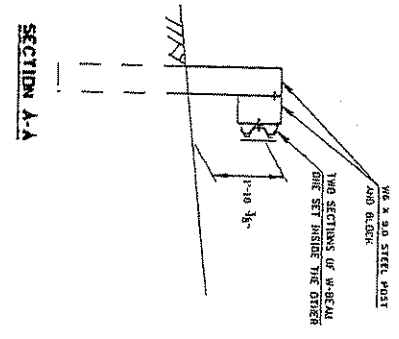
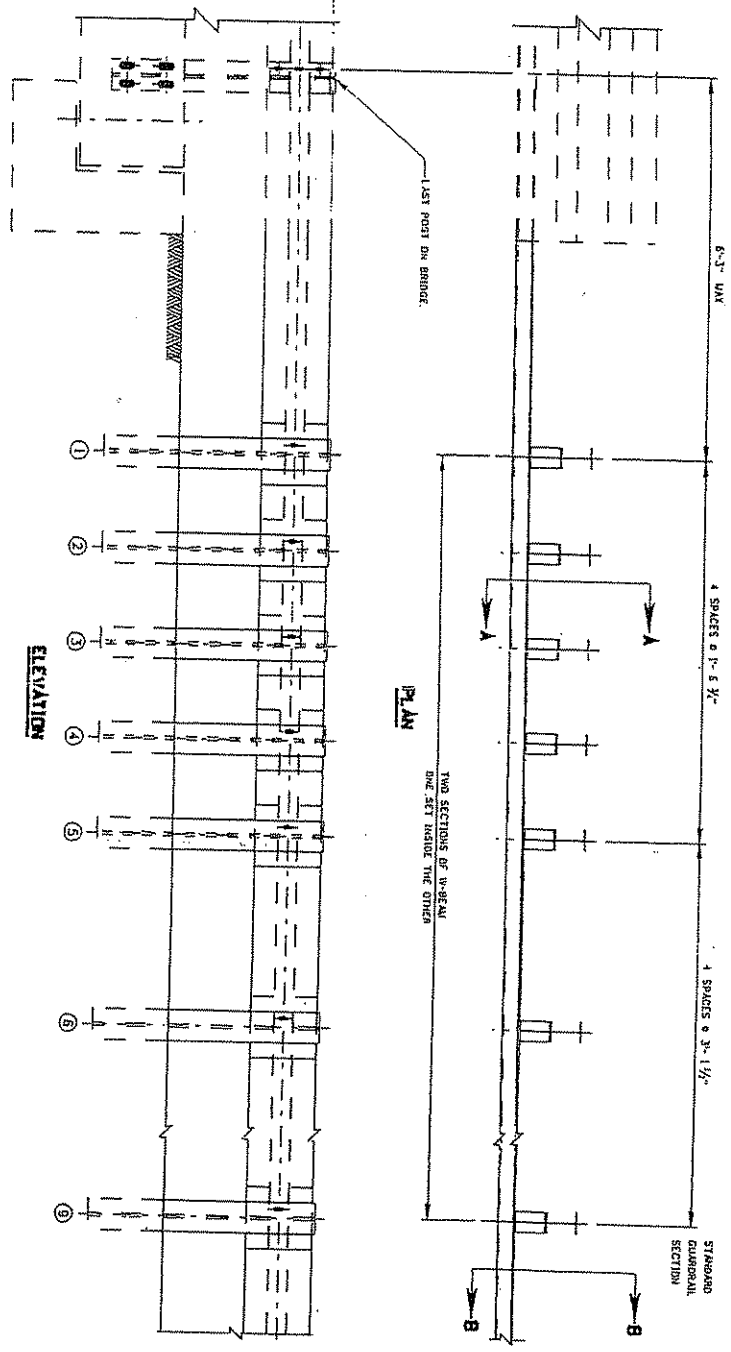
TYLER CO.

THIS SHEET SHALL BE USED IN CONJUNCTION WITH STANDARD SHEETS BR-812A & B THRU BR-812A & B, BR-810D, BR-810H, BR-810A & B, AND BR-810C AS APPLICABLE.

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10-22-77	TYLER	ISSUED FOR CONSTRUCTION
2	02-28-78	TYLER	REVISED BR-810

102227



PROJECT NUMBERS		DISTRICT		COUNTY		SHEET TOTAL	
STATE	FEDERAL					NO.	TOTAL
5148-7-10-47	N/A	5	TYLER	20	27		

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-9104 FOR ANCHOR DETAILS.
4. THERE IS NO SEPARATE PAY ITEM FOR THIS CONNECTION AND ALL COMPONENTS AS DETAILED HEREIN SHALL BE INCLUDED IN THE CONTRACT PRICE FOR GUARDRAIL.

THIS SHEET SHALL BE USED IN CONNECTION WITH STANDARD SHEETS BR-917A & B THRU BR-917A.1, BR-918A, BR-918A.1, BR-919A & B, BR-919A.1, BR-919A.2 & B, BR-919A.3 AND BR-9104 AS APPLICABLE.

APPROVED: *[Signature]*
 BRIDGE DESIGNER
 WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 HARRISBURG OFFICE
 PROJECT NO. 01-02-07
 DATE 07-02-07
 WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 HARRISBURG OFFICE
 PROJECT NO. 01-02-07
 DATE 07-02-07

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 ENGINEERING DIVISION
 SUGAR CREEK BRIDGE
 OVER SUGAR CREEK
 TYLER CO. C.R. 7
 TYPE TL-2 GUARDRAIL TRANSITION
 STANDARD SHEET BR-9106
 SHEET NO. OF 21
 DRAWING NO. 10227

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: Brian P. Struble **BRIAN P. STRUBLE**
 Date: 5-24-09 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

VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: 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.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

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 materials, 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.


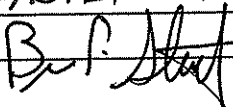
LICENSING:

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, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, 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.

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>.

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.

Vendor's Name:  EASTERN VAULT Co., INC.
Authorized Signature:  Date: 5-27-09