



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
03110346

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
**BUYER 33
 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
03/30/2011	NET 30	OUR TRUCK	JOBSITE	INCLUDED

BID OPENING DATE: **05/04/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		210-16		\$37,524.60
<p>CONCRETE BOX BEAMS</p> <p>REQUEST FOR QUOTATION (RFQ)</p> <p>THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF HIGHWAYS, IS SOLICITING BIDS FOR A CONTRACT TO PROVIDE CONCRETE BOX BEAMS FOR BEE FORK (SS) BRIDGE REPLACEMENT, PROJECT S307-5/6-0.01 PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO SHERI SLONE IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS RFQ, VIA FAX AT 304-558-4115, OR VIA EMAIL AT SHERI.D.SLONE@WV.GOV. A WORD DOCUMENT HAS BEEN ATTACHED FOR YOUR CONVENIENCE TO SUBMIT TECHNICAL QUESTIONS. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 04/11/2011 AT THE CLOSE OF BUSINESS. 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>						

RECEIVED
 2011 MAY -3 PM 12:52
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: **BRIAN P. STAURBE** TELEPHONE: **304-425-8955** DATE: **5-2-11**

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. 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.htm 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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03/30/2011				

BID OPENING DATE: **05/04/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<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> <p>NO. 5</p> <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: right;"> SIGNATURE EASTERN VAULT Co., Inc. COMPANY 5-2-2011 DATE </p>						

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SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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<p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.</p> <p>REV. 09/21/2009</p> <p>PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS</p> <p>1. EXCEPT WHEN AUTHORIZED BY THE DIRECTOR OF THE PURCHASING DIVISION PURSUANT TO SUBSECTION 2 BELOW NO CONTRACTOR MAY USE OR SUPPLY STEEL PRODUCTS FOR A STATE CONTRACT PROJECT OTHER THAN THOSE STEEL PRODUCTS MADE IN THE UNITED STATES. AS USED IN THIS CONTRACT,</p> <p>A. "STATE CONTRACT PROJECT" MEANS ANY ERECTION OR CONSTRUCTION OF, OR ANY ADDITION TO, ALTERATION OF OR OTHER IMPROVEMENT TO ANY BUILDING OR STRUCTURE, INCLUDING, BUT NOT LIMITED TO, ROADS OR HIGHWAYS, OR THE INSTALLATION OF ANY HEATING OR COOLING OR VENTILATING PLANTS OR OTHER EQUIPMENT, OR THE SUPPLY OF AND MATERIALS FOR SUCH PROJECTS, PURSUANT TO A CONTRACT WITH THE STATE OF WEST VIRGINIA FOR WHICH BIDS WERE SOLICITED ON OR AFTER JUNE 6, 2001.</p> <p>B. "STEEL PRODUCTS" MEANS PRODUCTS ROLLED, FORMED, SHAPED, DRAWN, EXTRUDED, FORGED, CAST, FABRICATED OR OTHERWISE SIMILARLY PROCESSED, OR PROCESSED BY A COMBINATION OF TWO OR MORE OF SUCH OPERATIONS, FROM STEEL MADE BY THE OPEN HEARTH, BASIC OXYGEN, ELECTRIC FURNACE, BESSEMER OR OTHER STEEL MAKING PROCESS.</p>						

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**DIVISION OF HIGHWAYS
 JOBSITE
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03/30/2011				

BID OPENING DATE: **05/04/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
BRIAN P. STRUBLE						
***** THIS IS THE END OF RFQ 03110346 ***** TOTAL:						<u>\$ 37,524.60</u>

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Specifications

Purpose: To establish a contract to provide the District Three West Virginia Division of Highways with pre-stressed concrete beams and accessories to be used on Project S307-5/6-0.01, Bee Fork Bridge.

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 33'-6" wide x 17" deep pre-stressed concrete beams with accessories.

2.1 Technical Requirements:

All pre-stressed concrete beams and accessories provided shall be in accordance with West Virginia Division of Highways Standard Specifications Roads and Bridges, adopted 2010 and the current Supplemental Specifications and the attached control prints.

www.transportation.wv.gov/highways/engineering/Pages/publications.aspx

2.2 Freight

2.2.1 All shipments are to be FOB Destination.

2.2.2 The Vendor shall be responsible for all costs associated with delays in delivery to the job site.

2.3 Delivery

2.3.1 Delivers shall be made to the job site on CR 5/6, near Millstone, WV (Map Attached)

2.3.2 Vendor shall coordinate delivery with the District Three Bridge Engineer @ 304-420-4675.

3.0 INVOICING

3.1 Payment

3.1.1 The Vendor must send an invoice to:
West Virginia Division of Highways, District three
624 Depot Street
Parkersburg, WV 26101
Attention: Beverly Myers

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 and official invoice for the manufactured and approved beams.

COST SHEET

Item No.	Quantity	Description	Unit Price	Amount
1	301.5	SF, Interior Beam Section: 17" Prestressed Concrete Box Beams (3 Ft. Wide) 3 Beams X 33'-6" Overall Length. No Skew.	\$ 27.00	8140.50
2	201	SF, Exterior Beam Section: 17" Prestressed Concrete Box Beams (3 Ft. Wide) 2 Beams X 33'-6" Overall Length. No Skew.	\$ 26.10	5246.10
3	8	EA, 1-1/4" Elastomeric Laminated Bearing Pads (60 Duro Hardness) 8 - A1 Pad (4-3/4"x28")	\$ 200.00	1,600.00
4	4	EA, 1-1/4" Elastomeric Laminated Bearing Pads (60 Duro Hardness) 4 - A2 Pad (4-3/4"x15-1/2")	\$ 175.00	700.00
5	10	EA, 1" Diameter x 2'-0" Swedged Anchor Bolt or No. 8 Deformed Reinforcing Bar (Grade 60) Galvanized	\$ 10.00	100.00
6	21	SF, 1-1/2" Thick Sponge Rubber Preformed Joint Filler 16 LF @ 6-5/8" Wide = 9 SF/End, 18 SF Total 3.5 LF @ 4-3/4" Wide = 1.4 SF/End, 3 SF Total	\$ 10.00	210.00
7	46	SF, 1" Thick Sponge Rubber Preformed Joint Filler 16 LF @ 17" Wide = 23 SF/End, 46 SF Total	\$ 10.00	460.00
8	10	EA, Guardrail Attachment Assembly for Box Beam with Studs, Nuts, and Washers	\$ 300.00	3000.00
9	73	LF, 1" Diameter Post-Tensioning Thread Bar w/ 10 Hardened Nuts 4 Bars @ 18'-3"	\$ 15.00	1095.00
10	8	EA, Bearing Plate 9"x9"x1"	\$ 75.00	600.00
11	10	EA, Type TL-2 Bridge Guardrail Posts	\$ 500.00	5,000.00
12	75	LF, Type TL-2 Bridge Guardrail	\$ 150.00	11,250.00
13	150	LF, 1" Grout Stop	\$.50	75.00
14	16	EA, 1"x8"x8" Washer	\$ 3.00	48.00

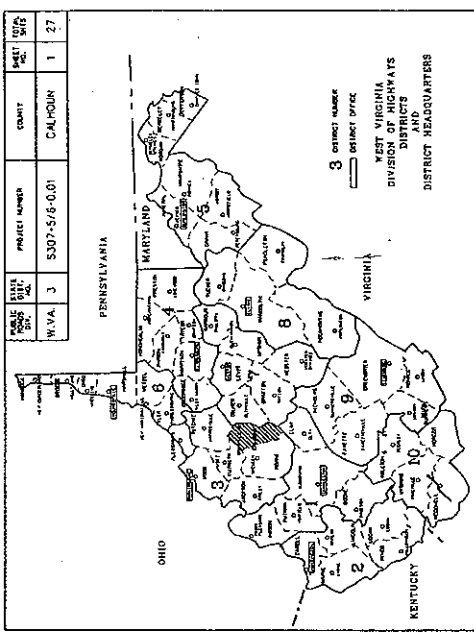
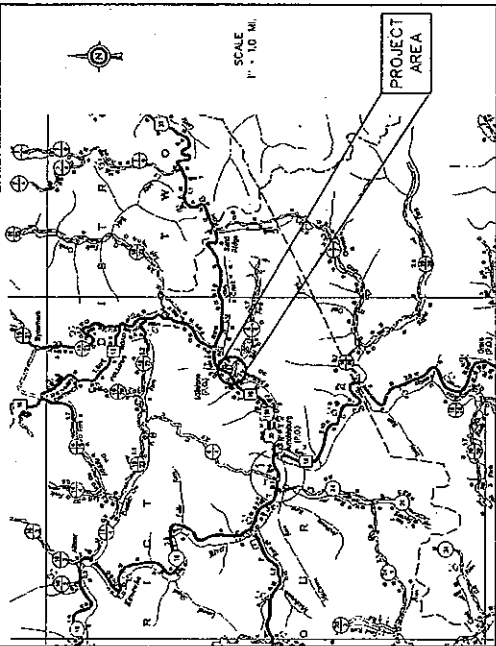
TOTAL \$ 37,524.60

WEST VIRGINIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR CONSTRUCTION
OF
STATE HIGHWAY

FEDERAL PROJECT NO. N/A
STATE PROJECT NO. S307-5/6-0.01
COUNTY ROUTE NO. 5/6 (SLS)
DISTRICT NO. THREE
CALHOUN COUNTY

BEE FORK BRIDGE

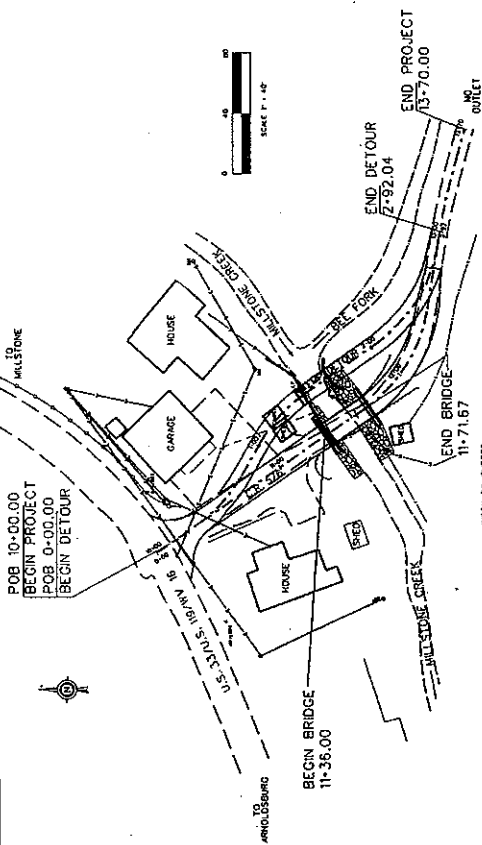
ROADWAY 10+00.00 TO 11+36.00 • 136.00 FT. • 0.025 MI.
BRIDGE 11+36.00 TO 11+71.67 • 35.67 FT. • 0.007 MI.
ROADWAY 11+71.67 TO 13+70.00 • 198.33 FT. • 0.038 MI.
TOTAL PROJECT LENGTH • 370.00 FT. • 0.070 MI.



TYPE OF CONSTRUCTION

BRIDGE NO. 10956
BRIDGE REPLACEMENT
SUPER STRUCTURE REPLACEMENT
GRADING, PAVING, AND DRAINAGE

UTILITIES
FRONTIER COMMUNICATIONS
ALLEGHENY POWER
PRIVATE GAS LINE



DESIGN DESIGNATION

A.D.T.	(2007) 20
A.O.T.	1
D.H.V.	3
D.	
T.	
V.	20 MPH

CONVENTIONAL SIGNS

Center Line	Edge of Roadway
Opposite Lane	Property Line
Right of Way	Proprietary Sign
Right of Way	Proprietary Sign
Right of Way	Proprietary Sign
Right of Way	Proprietary Sign
Right of Way	Proprietary Sign
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Right of Way	Proprietary Sign

DESIGN EXCEPTIONS - NONE

NO.	DATE	DESCRIPTION
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WORK TO BE DONE

NO.	DATE	DESCRIPTION
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100	11-17-16	REVISED

NO. | SHEET | REVISION | DATE | BY

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STATE PROJECT NUMBER	5307-5/6-001
SECTION PROJECT NUMBER	3
COUNTY	CALHOUN
SHEET TOTAL NO. SHEETS	9 27

WORKPOINT	NORTHING	EASTING
WP1	654703.16	1933274.28
WP2	654688.77	1939250.36
WP3	654678.25	1939232.36
WP4	654662.37	1939258.43

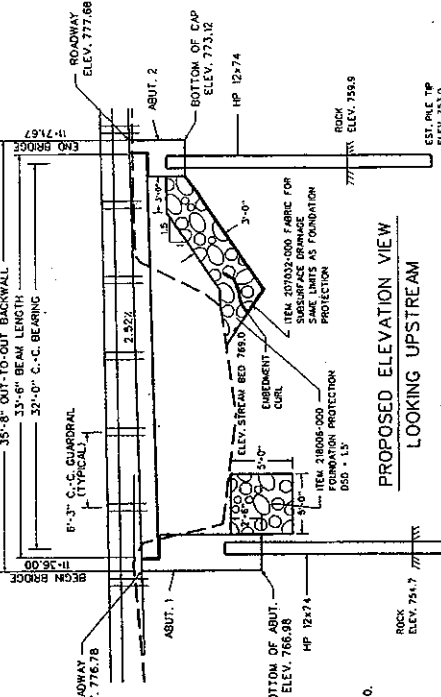
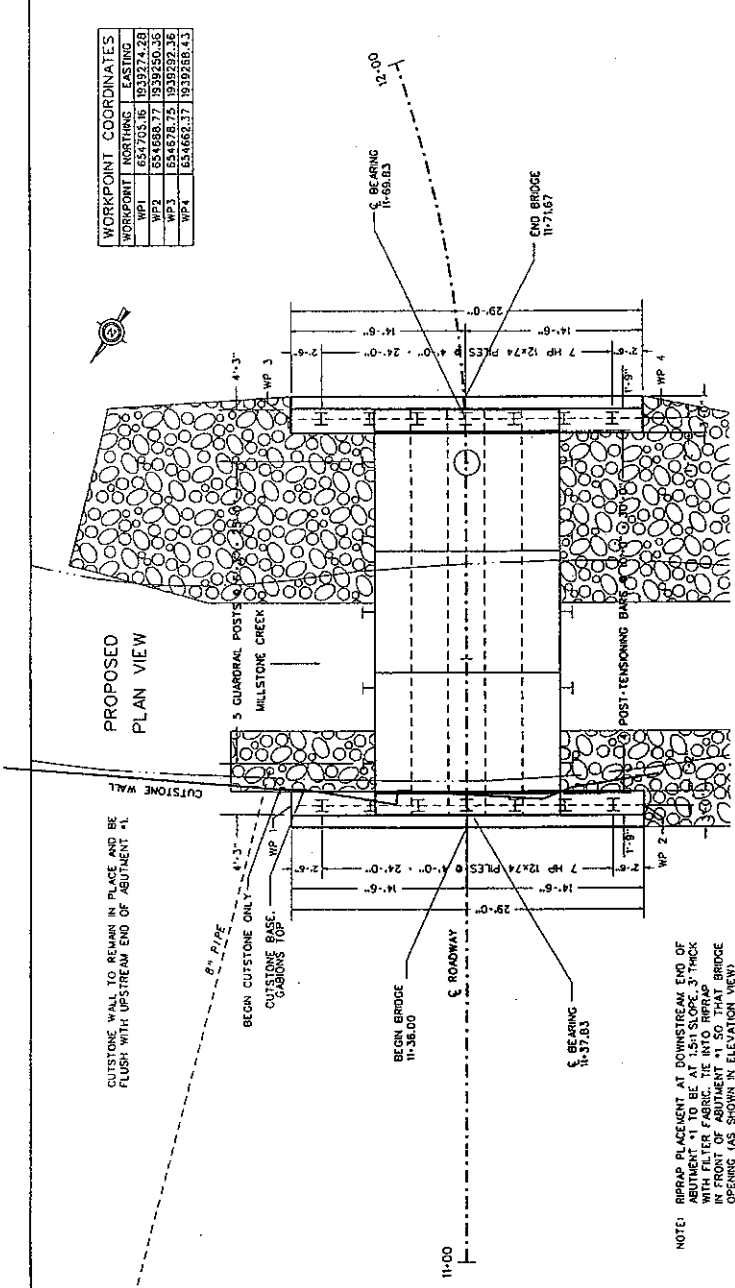
PRE-DRILLING NOTES

- PILES SHALL BE PRE-DRILLED TO A DEPTH SUFFICIENT TO DEVELOP A MINIMUM CAPACITY OF 15,000 POUNDS PER SQ. FT. LENGTH OF 30" DIAMETER IS GREATER. THIS CORRESPONDS TO ELEVATION 749.7 FOR ABUTMENT #1, 754.7 FOR ABUTMENT #2.
- MINIMUM HOLE DIAMETER SHALL BE 20".
- THE DRILLED HOLE SHALL BE REASONABLY FREE OF GUM IN SOIL OR OTHER DEBRIS IMMEDIATELY PRIOR TO GROUTING.
- AFTER PRE-DRILLING, THE PILING SHALL BE DRIVEN TO REFUSAL ON BEDROCK.
- REFUSAL IS DEFINED AS THE EQUIVALENT OF 20 BLOWS FOR ONE INCH OR LESS OF PENETRATION WITH POWER HAMMER DEVELOPING A MINIMUM CAPACITY OF 15,000 POUNDS PER SQ. FT.
- IF A LARGER HAMMER IS USED, THE NUMBER OF BLOWS IN THE LAST 10 FEET OF PENETRATION SHALL BE PROPORTIONATE TO THE ENERGY RATING OF THE HAMMER, BUT TO NO LESS THAN 12.
- THE HOLE SHALL BE PUMPED FREE OF WATER PRIOR TO RE-GROUTING OF GROUT.
- PILE INSTALLATION AND GROUTING OF A HOLE IS TO BE COMPLETED ON THE SAME DAY AS THE DRILLING OF THE HOLE.
- THE REQUIRED 7-DAY COMPRESSIVE STRENGTH OF THE GROUT SHALL BE A MINIMUM OF 2000 PSI TESTED PRIOR TO INSTALLATION.
- THE GROUT SHALL BE COMPOSED OF A MIXTURE OF 1 PART PORTLAND CEMENT AND 3 PARTS SAND, MIXED WITH WATER TO THE CONSISTENCY OF PUTTY. THE AMOUNT SHALL BE DESIGNATED BY THE ENGINEER.

FOUNDATION PROTECTION NOTES

- FOUNDATION PROTECTION MATERIAL FOR SCOUR PROTECTION SHALL BE UNIFORMELY GRADED AS FOLLOWS WITH A D50 SIZE OF 18":
 - STONE: 24% - 28%
 - 18" - 24%
 - 15" - 18%
 - 12" - 15%
- THE STONE SHALL BE REASONABLY WELL GRADED THROUGHOUT THE SCOUR PROTECTION THICKNESS AS DETERMINED BY THE ENGINEER BY VISUAL INSPECTION.
- STONES SMALLER THAN THE SPECIFIED 1 1/2" SHALL NOT BE PERMITTED IN ANY AMOUNT EXCEEDING 20% BY WEIGHT.
- MATERIAL SHALL CONSIST OF ROCK (MEDIUM HARD OR HARDER) OF A QUALITY SATISFACTORY TO THE ENGINEER AND SHALL BE PLACED PER SECTION 218 EXCEPT THAT NO TESTING SHALL BE REQUIRED.
- THE USE OF SHALE IS NOT PERMITTED.
- ALL COST ASSOCIATED WITH PLACING THE FOUNDATION PROTECTION (INCLUDING EXCAVATION, EMBANKMENT AND CLEARING & GRUBBING NOT OTHERWISE INCLUDED IN THE ROADWAY CROSS-SECTIONS) SHALL BE INCLUDED IN ITEM 218008-000.

PROPOSED PLAN VIEW



SCALE: 1" = 5'

NOTE: RIPPAP PLACEMENT SHALL REQUIRE EXCAVATION TO THE LIMITS SHOWN. THE COST OF THIS EXCAVATION SHALL BE INCLUDED IN ITEM 218008-000.

NOTE: ALL PILES SHALL BE AIRSHOT M270 GRADE 50 HP12X74 FOR EQUIVALENT STEEL BEARING PILES.

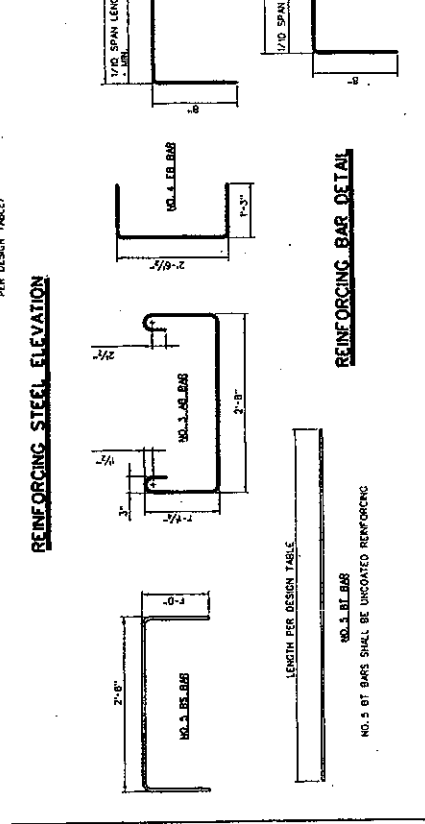
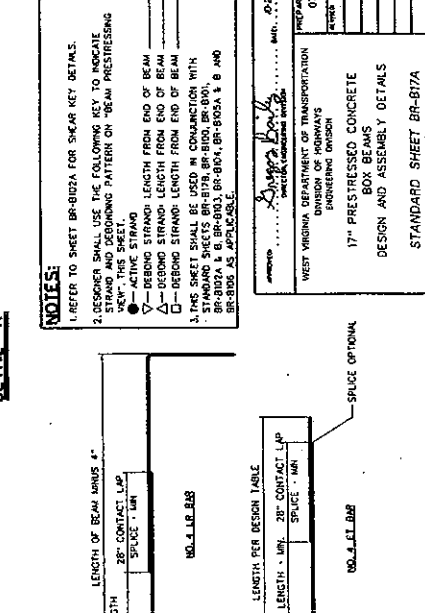
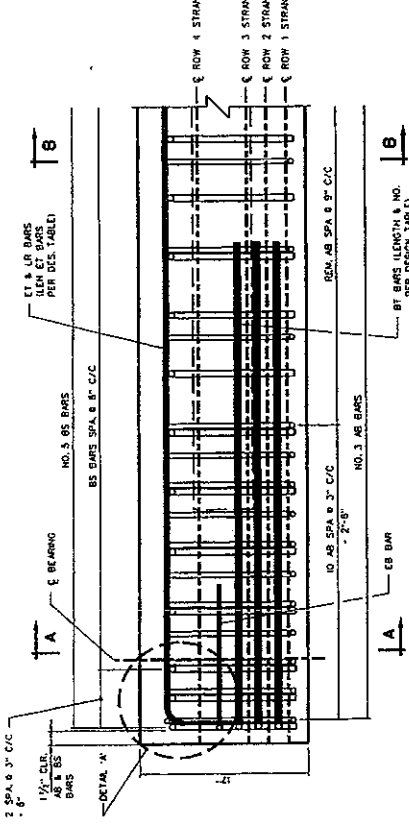
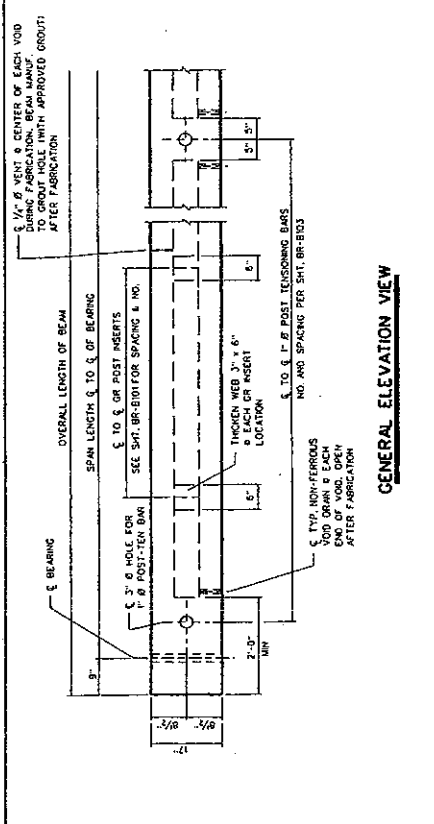
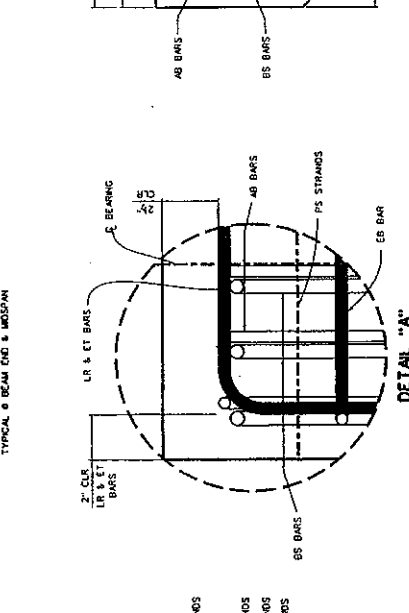
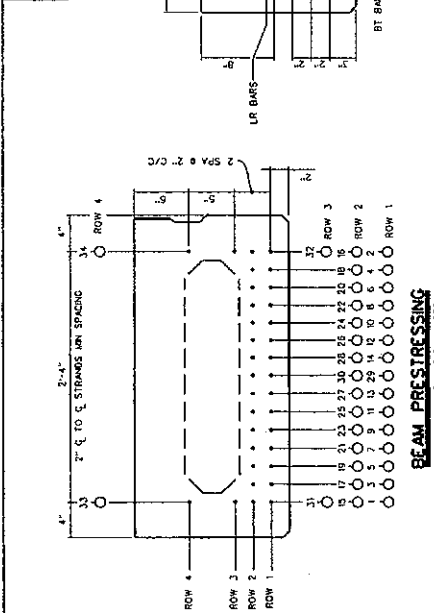
THE W.VA. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

BRIDGE NO. 07-5/6-0-02
OVER MILLSTONE CREEK
ON COUNTY ROUTE 5/6 (SLS)
IN CALHOUN COUNTY

BRIDGE NUMBER: 07-5/6-0-02
SHEET: 9 OF 27

REVISION NO.	DATE	BY
1	12-11-11	...
2	12-11-11	...
3	12-11-11	...

STATE	PROJECT NUMBERS	DISTRICT	COUNTY	SHEET NO.	TOTAL
SJ.07-5/6-0.01	FEDERAL	3	CALHOUN	12	27



NOTES:

- REFER TO SHEET BR-B124 FOR SHAR KEY DETAILS.
- DESIGNER SHALL USE THE FOLLOWING KEY TO LOCATE VIEW. THIS SHEET SHOWING PATTERN ON BEAM PRESTRESSING VIEW.
- ACTIVE STRAND
- BEEDING STRAND LENGTH FROM END OF BEAM
- BEEDING STRAND LENGTH FROM END OF BEAM
- THIS SHEET SHALL BE USED IN CONNECTION WITH BR-B124 & BR-B125, BR-B126, BR-B127, BR-B128 & BR-B129 AS APPLICABLE.

LENGTH OF BEAM MINUS 4"	28" CONTACT LAP	SPACE . MIN
1/10 SPAN LENGTH MIN.	28" CONTACT LAP	SPACE . MIN
1/10 SPAN LENGTH MIN.	28" CONTACT LAP	SPACE . MIN

LENGTH PER DESIGN TABLE	NO. 3 BT BARS
LENGTH PER DESIGN TABLE	NO. 3 BT BARS

NO. 3 BT BARS SHALL BE UNCOATED REINFORCING

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

BRIDGE NO. 07-5/6-0.02
OVER
MILLSTONE CREEK
ON
COUNTY ROUTE 5/6 (SLS)
IN
CALHOUN COUNTY

DESIGNED BY/RY
CHECKED BY/RY
REVIEWED BY/RY
DATE 3-11
SCALE
SHEET 12 OF 27
OF 27

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

17" PRESTRESSED CONCRETE
BOX BEAMS
DESIGN AND ASSEMBLY DETAILS

STANDARD SHEET BR-B174

DESIGNED BY/RY
CHECKED BY/RY
REVIEWED BY/RY
DATE 07-02-07
SCALE
SHEET 12 OF 27
OF 27

STATE PROJECT NUMBER	FEDERAL PROJECT NUMBER	STATE DIST. NO.	COUNTY	SHEET NO.	TOTAL SHEETS
5307-5/6-0.01		3	CALHOUN	13	27

DESIGN DATA FOR 17" DEPTH ADJACENT BOX BEAM

SPAN LENGTH & TO & BEARING	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"	32'-0"	34'-0"	36'-0"	38'-0"	40'-0"
OVERALL LENGTH OF BEAM	21'-8"	23'-6"	25'-6"	27'-6"	29'-6"	31'-6"	33'-6"	35'-6"	37'-6"	39'-6"	41'-6"
NO. OF 270 KSI, 1/2" Ø LOW-RELAXATION STRANDS, AREA/STRAND - 0.167 SQ. IN.	10	10	10	10	10	12	14	14	16	16	18
STRAND POSITION NUMBER	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11
PRESTRESSING FORCE IMMEDIATELY AFTER STRAND RELEASE, P ₁ (KIPS/BEAM)	326	326	326	326	326	389	491	451	512	512	513
EFFECTIVE PRESTRESSING FORCE AFTER ALL LOSSES, P _e (KIPS/BEAM)	293	293	294	294	294	346	395	397	443	445	447
REQUIRED FACTORED MOMENT & STRENGTH I, M _u (FT-KIPS/BEAM)	204	231	260	288	319	349	392	415	453	491	531
FACTORED FLEXURAL RESISTANCE, M _r (FT-KIPS/BEAM)	408	408	408	408	498	498	566	566	646	646	646
TOTAL NO. DEBOWED STRANDS											
DEBOWED STRAND POSITION NUMBER & SHIELDING LENGTH FROM EACH END	ROW 1										
NUMBER & LENGTH OF CT TOP TENSION BARS @ EACH END	3 - 1/4" x 3'-0"	3 - 1/4" x 3'-0"	3 - 1/4" x 3'-0"	3 - 1/4" x 3'-0"	3 - 1/4" x 3'-0"	3 - 1/4" x 4'-0"	3 - 1/4" x 4'-0"	3 - 1/4" x 4'-0"	3 - 1/4" x 4'-0"	3 - 1/4" x 4'-0"	3 - 1/4" x 4'-0"
NUMBER & LENGTH OF CT BOTTOM TENSION BARS @ EACH END	2 - 1/4" x 4'-0"	2 - 1/4" x 4'-0"	2 - 1/4" x 4'-0"	2 - 1/4" x 4'-0"	2 - 1/4" x 4'-0"	2 - 1/4" x 5'-0"	2 - 1/4" x 5'-0"	2 - 1/4" x 5'-0"	2 - 1/4" x 5'-0"	2 - 1/4" x 5'-0"	2 - 1/4" x 5'-0"
Ø RELEASE	0.13	0.14	0.16	0.17	0.28	0.30	0.40	0.42	0.59	0.62	0.83
Ø ERSECTION	0.21	0.24	0.26	0.27	0.45	0.47	0.64	0.65	0.93	0.95	0.95
Ø FINAL	0.27	0.29	0.30	0.30	0.53	0.53	0.71	0.69	1.03	0.99	0.92
NO. OF INSERTS REQD.							5				
END OF BEAM TO FIRST INSERT							4'-3"				
Ø OF 1st INSERT TO 2nd INSERT							6'-3"				
WEIGHT OF TYPICAL BEAM INCLUDING BRACKET (TONS)	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6

NOTES:

1. BEAM WEIGHTS LISTED IN THE DESIGN TABLE ARE BASED ON ZERO SKEW, 2 FT. LONG ENBLOCK AND DIMENSIONS SPACED @ 15 FT C/C. WEIGHTS FOR SKEWED BEAMS, LONGER ENBLOCKS AND ADDITIONAL DIMENSIONS SHOULD BE ADJUSTED ACCORDINGLY.
2. FOR ADDITIONAL DIMENSIONS, AND 135 LBS/SPAN-FEET.
3. FOR LONGER ENBLOCK, AND 163 LBS/LF/END.
4. DESIGNER'S SHOULD NOTE THAT DATA IN STANDARD TABLE IS BASED ON EVEN SPAN LENGTHS, A TWO LANE STRUCTURE & BEAMS WIDE AND ZERO SKEW. SUPERIMPOSED DEAD LOADS INCLUDE TYPE F PARAPET DISTRIPLY AND WIND ON THE EXTERIOR SURFACE OF THE BEAMS. FOR OTHER BEAM TYPES, THE STANDARD DESIGN TABLE BE ALTERED.
5. PRESTRESSING CURVES VALUES LISTED IN THE TABLE ARE BASED ON EMPIRICAL FORMULAS SUCH AS APPROXIMATE. FOR MEMBERS WITH SPAN-TO-DEPTH RATIOS AT OR EXCEEDING 25, THE TOLERANCE VALUES LISTED IN APPENDIX B OF FCIMANUAL FOR QUALITY CONTROL, MIN. 1/16" MAY NOT APPLY.
6. MEASUREMENT OF CAMBER FOR COMPRESSION IS PRESTRESSING DESIGN VALUES SHOULD BE SUBTRACTED THAT INCREASE THE EFFECT OF TEMPERATURE VARIATION.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

BRIDGE NO. 07-5/6-0.02
OVER
MILLSTONE CREEK
ON
COUNTY ROUTE 5/6 (SLS)
IN
CALHOUN COUNTY

DESIGN TABLE FOR 17"
PRESTRESSED BOX BEAM

STANDARD SHEET BR-8178

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

DESIGN TABLE FOR 17"
PRESTRESSED BOX BEAM

STANDARD SHEET BR-8178

STATE PROJECT NUMBER	3307-576-0-01	COUNTY	CALHOUN	SHEET TOTAL SHEETS	15 27
DATE PROJECT NUMBER		DATE			

CONTROL DIMENSIONS	DESCRIPTION	CODE	VALUE
OVERALL BEAM LENGTH		A	33'-6"
SPAN LENGTH & BEARING TO & FROM		B	32'-0"
SUPERSTRUCTURE WIDTH OUT TO OUT		C	15'-3"
ROADWAY WIDTH - FACE OF PARAPET TO FACE CHAPARRAL		D	15'-2 1/2"
NUMBER OF BEAMS REQUIRED			5
BEAM SIZE (WIDTH x DEPTH)			36"x17"
SKEW ANGLE (NORMAL, DEC. OPS OR DEC. LFS)		E	0°
PERPENDICULAR DISTANCE FROM FACE OF BEAM TO & BEARING		F	9"
IS BE WASHING COURSE REQUIRED (YES/NO)			NO
THICKNESS OF WEARING COURSE & TYPE OF BASE OR PARAPET		G	N/A
THICKNESS OF WEARING COURSE & TYPE OF BASE OR PARAPET		H	N/A
TL-2 BRIDGE GUARDRAIL SYSTEM REQUIRED (YES/NO)			YES
FABRICATOR TO SUPPLY TL-2 BRIDGE GUARDRAIL (YES/NO)			YES
FABRICATOR TO INSTALL BRIDGE GUARDRAIL PRIOR TO SUPPORT (YES/NO) IF NOT, FABRICATOR TO SUP. EMBED			NO
NUMBER OF GUARDRAIL POSTS REQUIRED PER SEC (YES/NO)			5
TYPE & PARAPET REQUIRED (YES/NO)			NO
GRANS REQUIRED (YES/NO)			NO
NUMBER OF DRAINS REQUIRED PER SEC			0
N° CURB REQUIRED (YES/NO)			NO

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 ENGINEERING DIVISION

BRIDGE NO. 07-5/6-0-02
 OVER MILLSTONE CREEK
 ON COUNTY ROUTE 5/6 (SL5)
 IN CALHOUN COUNTY

PRESTRESSED CONCRETE BEAM
 DESIGN & ASSEMBLY NOTES

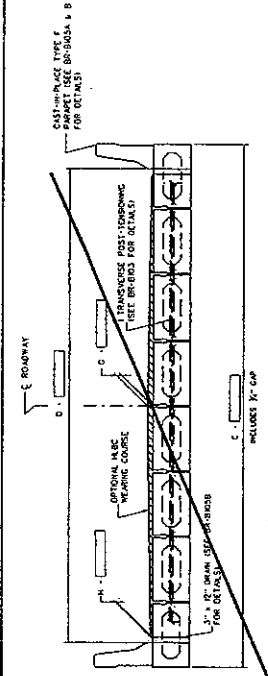
APPROVED BY: [Signature]
 DATE: 07-24-07

DESIGNED BY: [Signature]
 DATE: 07-24-07

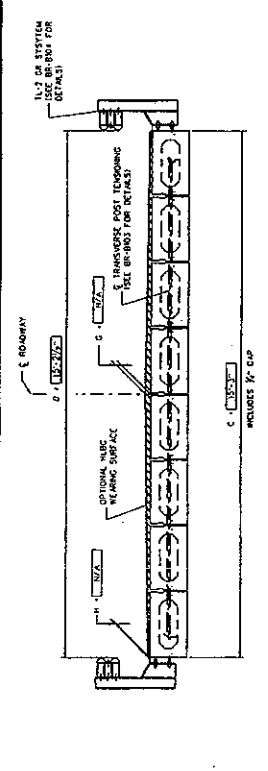
PROJECT NO. 07-5/6-0-02

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 ENGINEERING DIVISION

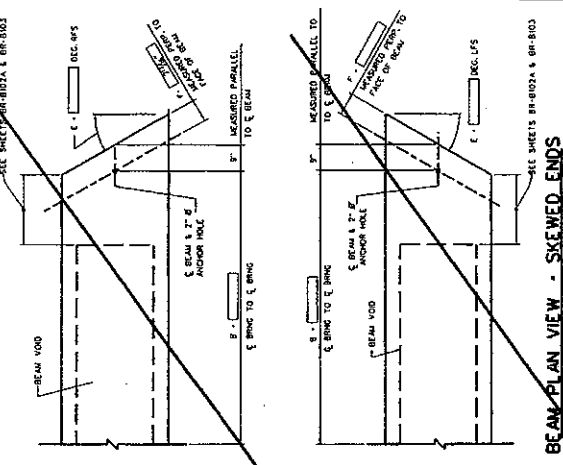
STANDARD SHEET BR-810



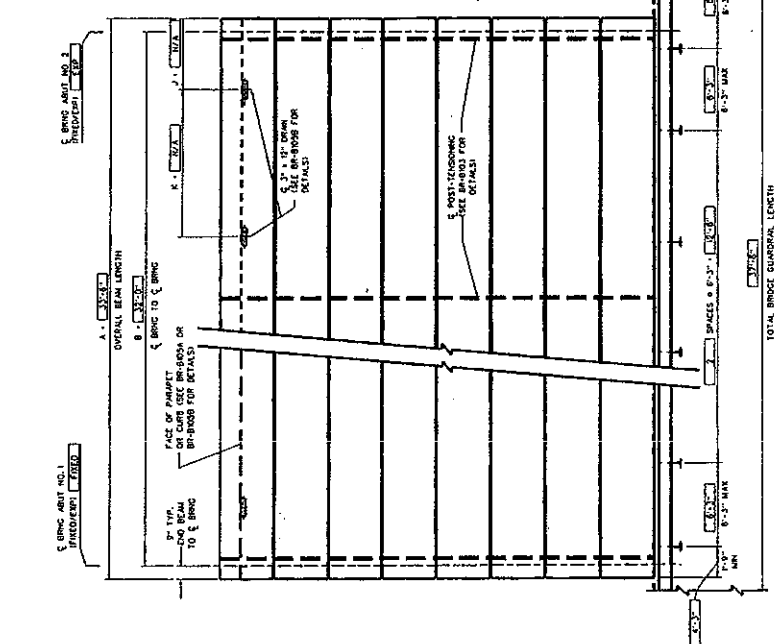
TYPICAL CROSS-SECTION WITH GUARDRAIL



TYPICAL CROSS-SECTION WITH PARAPET OR CURB



BEAM PLAN VIEW - SKEWED ENDS



DECK PLAN VIEW

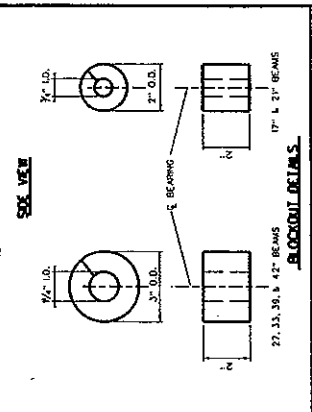
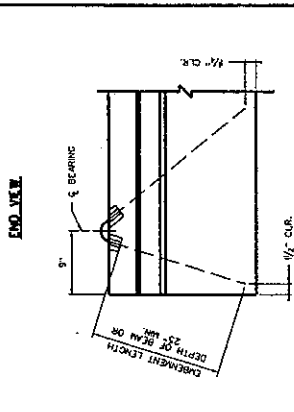
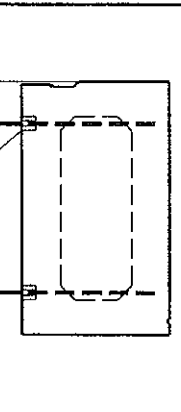
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
8030-018	PRESTRESSED CONCRETE 15\"/>		
		LF	87.5

ESTIMATE OF QUANTITIES

NOTES:
 1. WHEN BRIDGE GUARDRAIL IS TO BE SUPPLIED BY THE BEAM FABRICATOR, THE FABRICATOR SHALL COMPLETELY INSTALL BRIDGE GUARDRAIL AND MISCELLANEOUS ITEMS IN FIELD USING PRESTRESSED CONCRETE BOX BEAM.
 2. BRIDGE GUARDRAIL SHALL BE SUPPLIED BY OTHERS.
 BR-802, BR-802A & B AND BR-803.

STATE PROJECT NUMBER	COUNTY	SHEET NO.	TOTAL SHEETS
SD07-576-0-01	CALHOUN	16	27

2" x 8" OR 2" x 10" FORM BOARDING TO BE USED TO FORM CONCRETE BEAMS. FORMS TO BE SET UP AND BRACED TO REMAIN PLUMB AND TRUE THROUGHOUT THE ENTIRE CONCRETE POUR. FORMS TO BE REMOVED IMMEDIATELY AFTER THE CONCRETE HAS SET. THE REQUIREMENTS OF SUB-SECT. 715.5 SHALL BE OBSERVED.



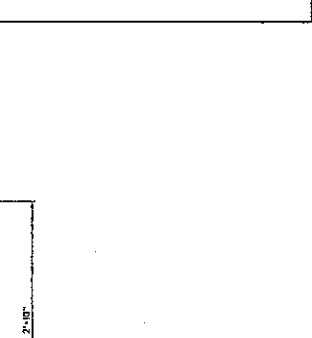
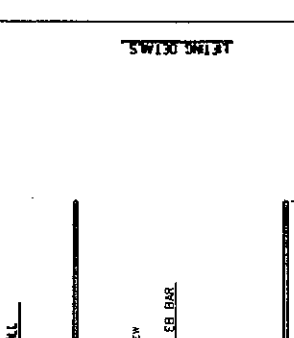
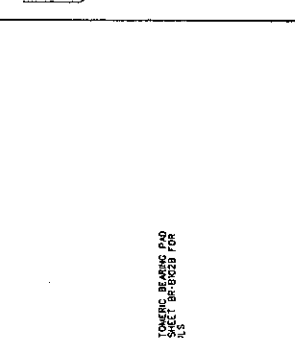
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

BRIDGE NO. 07-576-0-02
OVER
MILLSTONE CREEK
ON
COUNTY ROUTE 5/6 (SLS)
IN
CALHOUN COUNTY

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

DESIGNED BY: THT
DRAWN BY: THT
CHECKED BY: THT
REVIEWED BY: THT
DATE: 3-11
SCALE:
SHEET NO. OF 27
PROJECT NO. SD07-576-0-02

AT FIXED END FALL 2" x 8" ANCHOR HOLES WITH PORTLAND CEMENT MORTAR MEETING THE REQUIREMENTS OF SUB-SECT. 715.5.



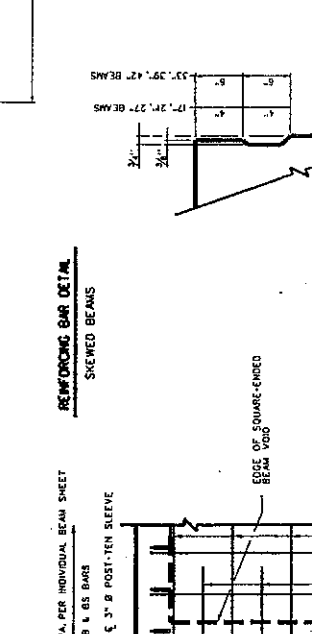
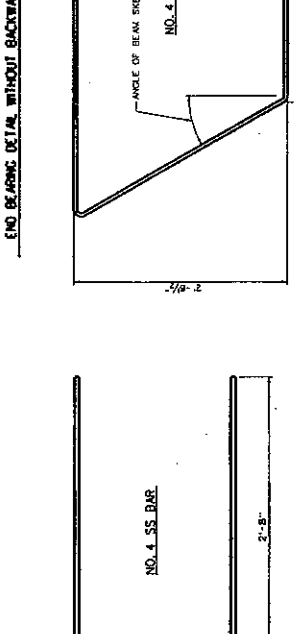
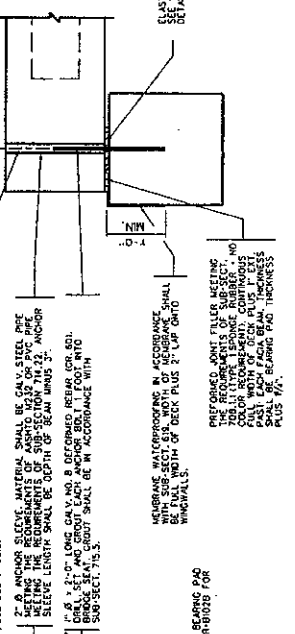
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

BRIDGE NO. 07-576-0-02
OVER
MILLSTONE CREEK
ON
COUNTY ROUTE 5/6 (SLS)
IN
CALHOUN COUNTY

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

DESIGNED BY: THT
DRAWN BY: THT
CHECKED BY: THT
REVIEWED BY: THT
DATE: 3-11
SCALE:
SHEET NO. OF 27
PROJECT NO. SD07-576-0-02

SEAL JOINT WITH HOT BITUMEN SEALANT MEETING THE REQUIREMENTS OF SUB-SECT. 715.5. MIN. DEPTH OF SEAL 1\"/>



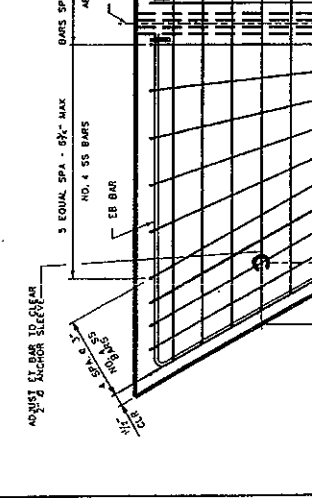
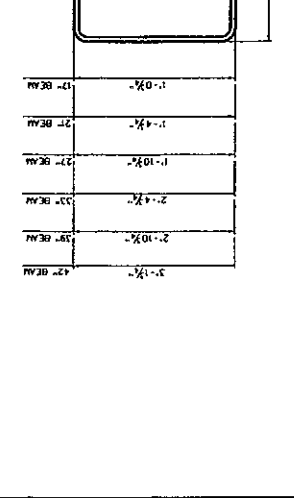
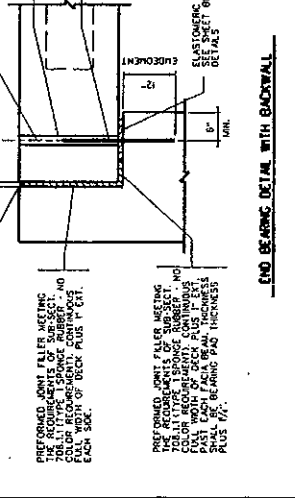
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

BRIDGE NO. 07-576-0-02
OVER
MILLSTONE CREEK
ON
COUNTY ROUTE 5/6 (SLS)
IN
CALHOUN COUNTY

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

DESIGNED BY: THT
DRAWN BY: THT
CHECKED BY: THT
REVIEWED BY: THT
DATE: 3-11
SCALE:
SHEET NO. OF 27
PROJECT NO. SD07-576-0-02

PREFORMED JOINT FILLER MEETING THE REQUIREMENTS OF SUB-SECT. 715.5. FULL WIDTH OF DECK PLUS 1\"/>



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

BRIDGE NO. 07-576-0-02
OVER
MILLSTONE CREEK
ON
COUNTY ROUTE 5/6 (SLS)
IN
CALHOUN COUNTY

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

DESIGNED BY: THT
DRAWN BY: THT
CHECKED BY: THT
REVIEWED BY: THT
DATE: 3-11
SCALE:
SHEET NO. OF 27
PROJECT NO. SD07-576-0-02

SEAL JOINT WITH HOT BITUMEN SEALANT MEETING THE REQUIREMENTS OF SUB-SECT. 715.5. MIN. DEPTH OF SEAL 1\"/>



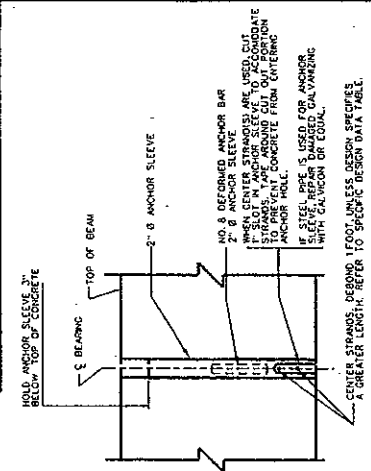
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ENGINEERING DIVISION

BRIDGE NO. 07-576-0-02
OVER
MILLSTONE CREEK
ON
COUNTY ROUTE 5/6 (SLS)
IN
CALHOUN COUNTY

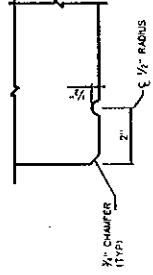
PRESTRESSED CONCRETE BEAM
SKEWED END BEARING
MISC. DESIGN AND ASSEMBLY DETAILS

DESIGNED BY: THT
DRAWN BY: THT
CHECKED BY: THT
REVIEWED BY: THT
DATE: 3-11
SCALE:
SHEET NO. OF 27
PROJECT NO. SD07-576-0-02

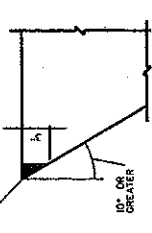
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SHEET NO.	17
COMMITTEE	3 CALHOUN
DATE	07-17-07



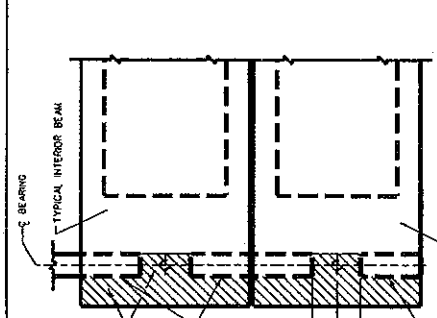
ANCHOR SLEEVE DETAIL



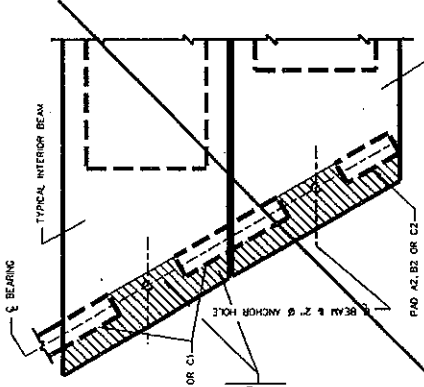
CRP GROOVE DETAIL



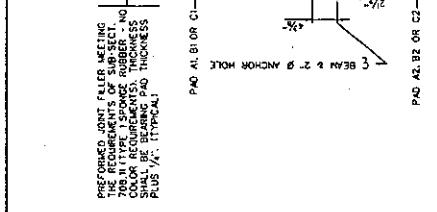
SKEW BLOCKOUT DETAIL



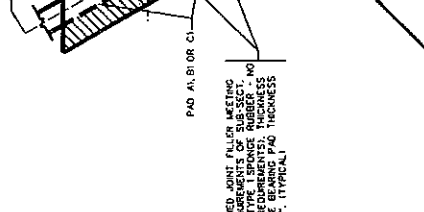
PLAN VIEW - BEARING PLACEMENT NORMAL BEAMS



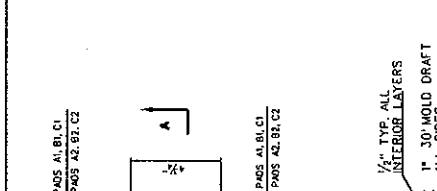
PLAN VIEW - BEARING PLACEMENT SKEWED BEAMS



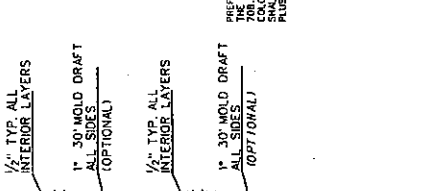
TYPICAL INTERIOR BEAM



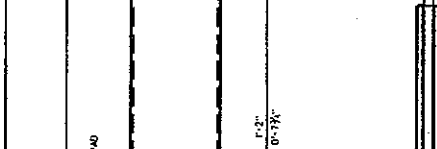
TYPICAL EXTERIOR BEAM



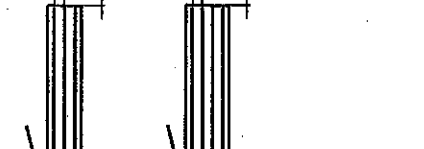
SECTION A-A PADS A1-B1-C1



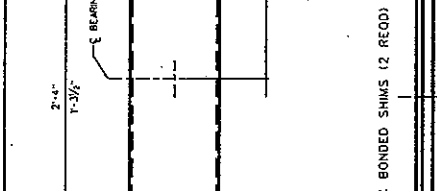
SECTION A-A PADS A2-B2-C2



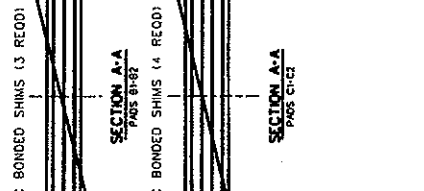
SECTION A-A PADS A1-B1-C1



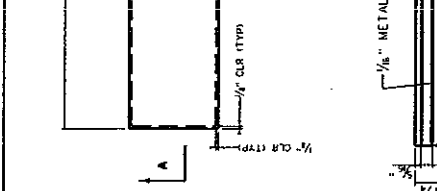
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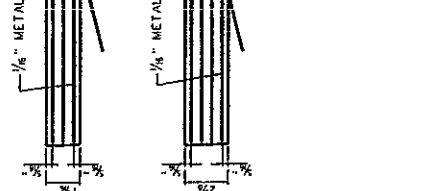
SECTION A-A PADS A1-B1-C1



SECTION A-A PADS A2-B2-C2



SECTION A-A PADS A1-B1-C1



SECTION A-A PADS A2-B2-C2

- NOTES:**
1. ELASTOMERIC BEARING PADS ARE DESIGNED IN ACCORDANCE WITH DESIGN METHOD B CONTAINED IN SECTION 14 OF THE AASHTO LRD BRIDGE DESIGN SPECIFICATIONS. FABRICATION SHALL BE IN ACCORDANCE WITH SECTION 99 OF THE AASHTO LRD BRIDGE CONSTRUCTION SPECIFICATIONS.
 2. ALL BEARINGS ARE DESIGNED FOR A LOW TEMPERATURE. JOKE C AND SHALL HAVE A DIAMETER HYPOTHESIS OF 50. METALLIC REINFORCEMENT SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 PSI.
 3. BEARING PADS ARE DESIGNED FOR ZERO BROUZE GRUOE. FOR BROUZE GRUOE GREATER THAN 2%, RECYCLED SOLE PLATES MAY BE USED.
 4. DESIGNER, FABRICATOR AND ERECTOR SHALL BE AWARE THAT SKEWED END BEAMS MAY TWIST OR WARP, CAUSING UNEVEN BEAM SEATING AT THE BEARINGS. THE CONTRACTOR IS REQUIRED TO CORRECT AT THE TIME OF ERECTION. BEFORE THE BEAMS ARE LAID ON THE BEAM SURFACE. CLEARANCE AFTER CORRECTION SHALL BE 1/8\"/>
 - 5. FOR BEAMS WITH STEPPED ENDS USE PADS A2, B2, OR C2 ON BOTH SIDES OF EACH BEAM.
 - 6. ELASTOMERIC BEARING PADS SHALL BE INCLUDED IN THE PRICE OF THE BEAMS.
 - 7. PADS SHOWN HEREIN ARE FOR BEAMS WITH ELASTOMERIC BEARINGS. BEARINGS A, B AND C1 ARE FOR BEAMS WITH METALLIC BEARINGS. BEARINGS A2, B2 AND C2 ARE FOR BEAMS WITH METALLIC BEARINGS.

PAD	LENGTH	WIDTH	HEIGHT	NO. SHIMS	SHIM SIZE	SPAN RANGE	MAXIMUM REACTION	MAXIMUM DISPLACEMENT
A1	47"	26"	1/4"	2	1/4" x 4/16"	20' - 38'	53 KIPS	0.39"
B1	47"	28"	1/4"	3	1/4" x 4/16"	40' - 78'	75 KIPS	0.60"
C1	47"	28"	2 3/8"	4	1/4" x 2 3/16"	80' - 100'	89 KIPS	1.07"
A2	47"	19 1/2"	1/4"	2	1/4" x 4/16"	20' - 38'	28 KIPS	0.39"
B2	47"	21 1/2"	1/4"	3	1/4" x 4/16"	40' - 78'	38 KIPS	0.60"
C2	47"	23 1/2"	2 3/8"	4	1/4" x 2 3/16"	80' - 100'	45 KIPS	1.07"

DESIGNED BY	TW
CHECKED BY	TW
REVIEWED BY	TW
DATE	3-11
SCALE	
SHEET NO.	17 OF 27
PROJECT NO.	07-576-0.01
MISC. DESIGN AND ASSEMBLY DETAILS	

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 ENGINEERING DIVISION
 BRIDGE NO. 07-576-0.02
 MILLSTONE CREEK
 ON
 COUNTY ROUTE 576 (SLS)
 IN
 CALHOUN COUNTY

STANDARD SHEET BR-9102B

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 ENGINEERING DIVISION
 BRIDGE NO. 07-576-0.02
 MILLSTONE CREEK
 ON
 COUNTY ROUTE 576 (SLS)
 IN
 CALHOUN COUNTY

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 ENGINEERING DIVISION
 BRIDGE NO. 07-576-0.02
 MILLSTONE CREEK
 ON
 COUNTY ROUTE 576 (SLS)
 IN
 CALHOUN COUNTY

STANDARD SHEET BR-9102B

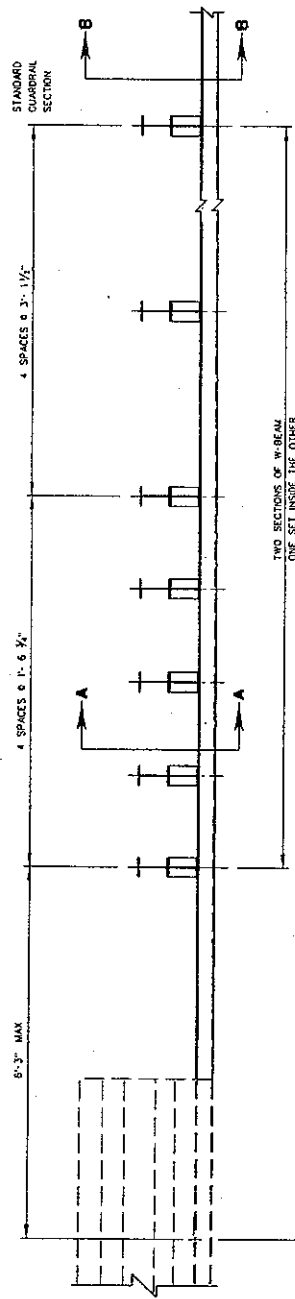
STATE	PROJECT NUMBER	DISTRICT	COUNTY	SHEET NO.	TOTAL
5307-5/6-0.01	3	CALHOUN	20	27	

NOTES

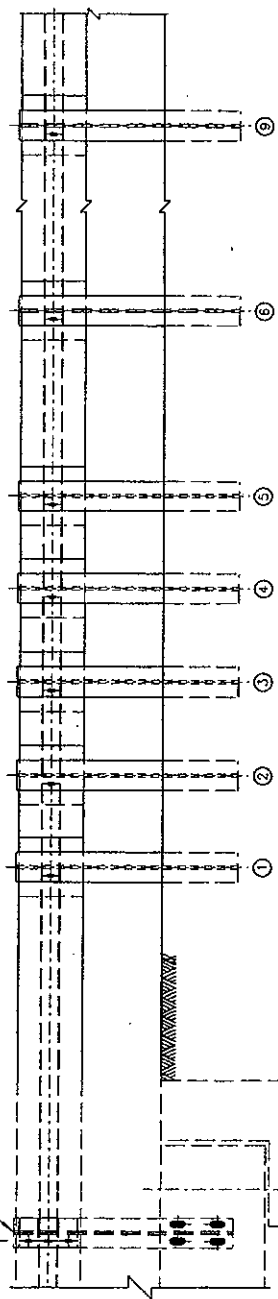
1. THIS GUARDRAIL TRANSITION IS APPROPRIATE FOR CONNECTION TO GUARDRAIL ON BRIDGE.
2. W-BEAM IS NOT BOLTED TO POSTS AT POSTS 2 THROUGH 4 AND POST 6.
3. SEE STANDARD SHEET BR-804 FOR ANCHOR DETAILS.
4. THERE IS NO SEPARATE PAY ITEM FOR THIS CONNECTION AND ALL COMPONENTS AS DETAILED HEREIN SHALL BE INCLUDED IN THE CONTRACT PRICE FOR GUARDRAIL.

THIS SHEET SHALL BE USED IN CONNECTION WITH STANDARD SHEETS BR-874 & B THRU BR-942 & B, BR-800, BR-801, BR-802A & B, BR-803 AND BR-804 AS APPLICABLE.

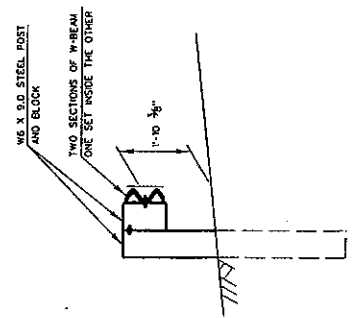
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS ENGINEERING DIVISION	
BRIDGE NO. 07-576-0.02	DESIGNED BY: []
MILLSTONE CREEK	DRAWN BY: []
ON	CHECKED BY: []
COUNTY ROUTE 5/6 (SLS)	REVIEWED BY: []
IN	DATE: 3-11
CALHOUN COUNTY	SCALE: []
TYPE 1L-2 GUARDRAIL TRANSITION	SHEET NO. 20 OF 27



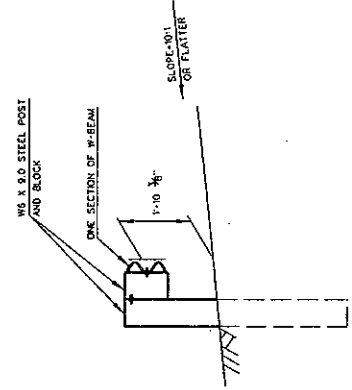
PLAN



ELEVATION

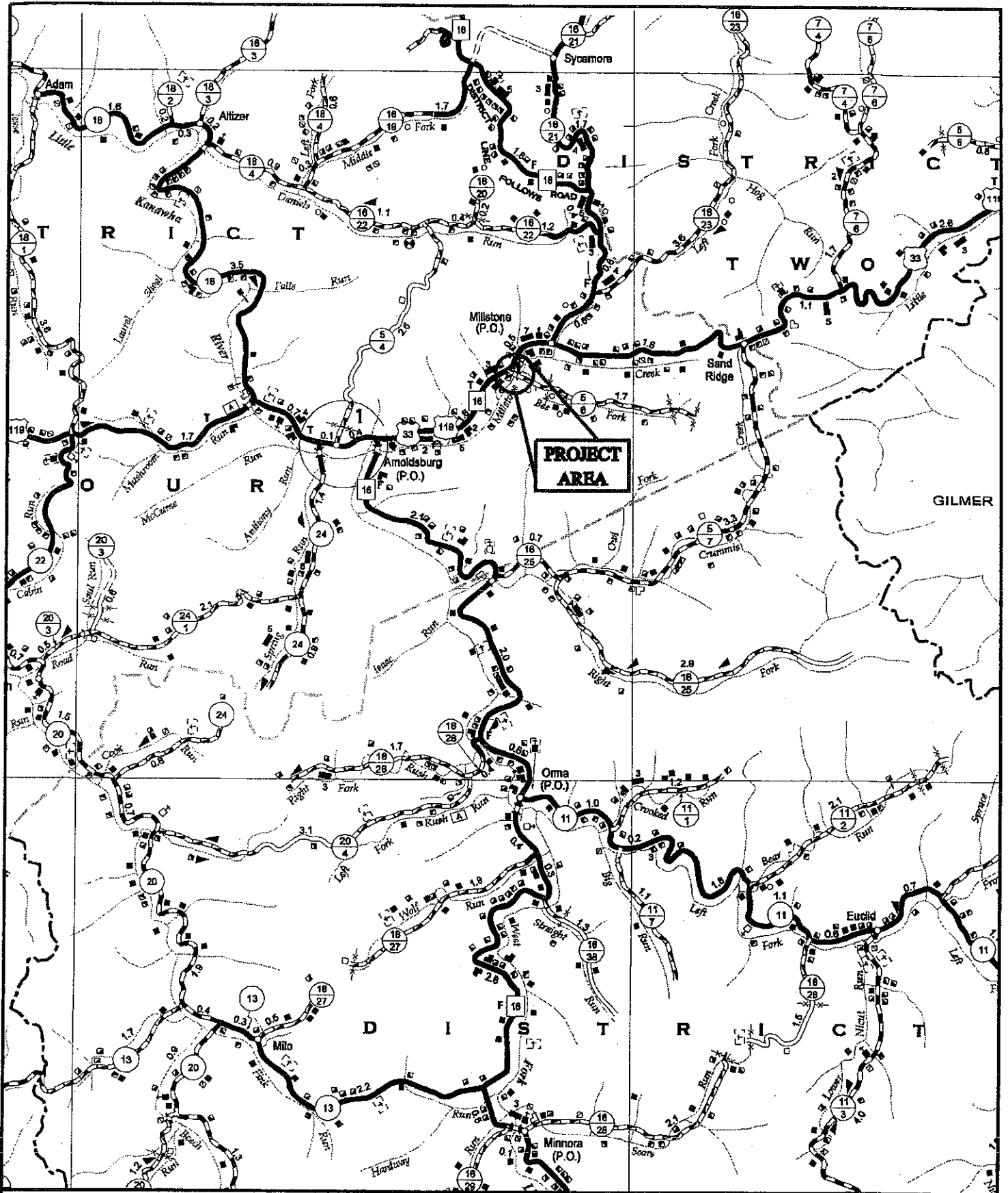


SECTION A-A



SECTION B-B

APPROVED: [Signature]	DATE: 03-09-07
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS ENGINEERING DIVISION	PROJECT NO. 07-576-0.02
DESIGNED BY: []	DATE: 3-11
DRAWN BY: []	SHEET NO. 20 OF 27
CHECKED BY: []	SCALE: []
REVIEWED BY: []	



BRIDGE REPLACEMENT STUDY
BEE FORK SS BRIDGE #S307-516-0.02
PROJECT NO. S307-516-0.01
CALHOUN COUNTY

WEST VIRGINIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT THREE BRIDGE DEPARTMENT



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
03110346

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
BUYER 33 304-558-2402

SUPPORT

*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
04/04/2011	Net 30	OUR TRUCK	JOBSITE	INCLUDED

BID OPENING DATE: 05/04/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
THIS ADDENDUM IS ISSUED TO ADD THE ATTACHED SPECIFICATIONS.						
BID OPENING REMAINS 05/04/2011 AT 1:30 PM						
*****END ADDENDUM NO. 1*****						
0001	1	LS		210-16		\$ 37,524.60
				CONCRETE BOX BEAMS		
***** THIS IS THE END OF RFQ 03110346 ***** TOTAL:						\$ 37,524.60

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	BRIAN P. STRUBER	TELEPHONE	304-425-8955	DATE	5-2-2011
TITLE	G.M.	FEIN	55-0520255	ADDRESS CHANGES TO BE NOTED ABOVE	

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

- 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 Requisition Purchase Order (RPO).
- 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 used for any purpose not designated by the Division.

4.0 AWARD

Purchase order will be awarded complete and not split.

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

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

1. Application is made for 2.5% resident vendor preference for the reason checked:

- Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or,**
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or,**
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or,**

2. Application is made for 2.5% resident vendor preference for the reason checked:

- Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or,**

3. Application is made for 2.5% resident vendor preference for the reason checked:

- Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or,**

4. Application is made for 5% resident vendor preference for the reason checked:

- Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or,**

5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:

- Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or,**

6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:

- Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

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.

Signed: 

Date: 5-2-11

Title: GENERAL MANAGER

RFQ No. 03110346

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: *B.P. [Signature]* Date: 5-2-2011

State of West Virginia

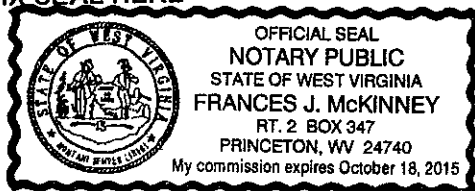
County of Mercer, to-wit:

Taken, subscribed, and sworn to before me this 2 day of May, 2011.

My Commission expires Oct 18, 2015, 2015.

AFFIX SEAL HERE

NOTARY PUBLIC *Frances J. McKinney*



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

Technical Questions for RFQ: _____

Vendor Name: _____

Questions:

2.0 Scope of Work

2.1 Technical Requirements

2.2 Freight

2.3 Delivery

3.0 Invoicing

4.0 Award

Other:
