



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
05700378

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
JOHN JOHNSTON 304-558-2402

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

SHIP TO

DIVISION OF HIGHWAYS
 JOBSITE
 SEE SPECIFICATIONS

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
04/16/2007				

BID OPENING DATE: 05/09/2007 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		210-16		
PRESTRESSED CONCRETE BOX BEAMS TO PROVIDE PRESTRESSED CONCRETE BOX BEAMS FOR PACKING HOUSE BRIDGE, PROJECT #S333-8/18-2.11. ALL MATERIALS SHALL BE SHIPPED TO BRIDGE SITE AS SHOWN ON THE ATTACHED PLANS. DELIVERY: LOCATED ON CO. RT. 8/18, 0.7 MILES EAST OF CO. RT. 13 IN MORGAN COUNTY. PLEASE CALL GARY HINES AT 304-289-2212 OR 304-289-3521 AT LEAST 24 HOURS PRIOR TO DELIVERY. SEE ATTACHED 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). A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED: <input type="checkbox"/> 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 <input type="checkbox"/> BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-QUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY I						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	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 \$125.00 registration fee.
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, 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 is automatically null and void, and is 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 Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

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 cases 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.

SIGNED BID TO:

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



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04/16/2007				

BID OPENING DATE: **05/09/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>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</p> <p>() BIDDER IS A CORPORATION 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.</p> <p>B. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() 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;</p> <p>OR</p> <p>() 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 BIDDERS' AFFILIATE'S OR SUBSIDIARY'S EMPLOYEES ARE RESIDENTS OF WEST VIRGINIA</p>						

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<p>WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID.</p> <p>BIDDER UNDERSTANDS IF THE SECRETARY OF TAX & 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) RESCIND THE CONTRACT OR PURCHASE ORDER ISSUED; 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.</p> <p>BY SUBMISSION OF THIS CERTIFICATE, BIDDER AGREES TO DISCLOSE ANY REASONABLY REQUESTED INFORMATION TO THE PURCHASING DIVISION AND AUTHORIZES THE DEPARTMENT OF TAX AND 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.</p> <p>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.</p> <p style="text-align: right;">BIDDER: -----</p>						

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DATE: ----- SIGNED: ----- TITLE: ----- * CHECK ANY COMBINATION OF PREFERENCE CONSIDERATION(S) IN EITHER "A" OR "B", OR BOTH "A" AND "B" WHICH YOU ARE ENTITLED TO RECEIVE. YOU MAY REQUEST UP TO THE MAXIMUM 5% PREFERENCE FOR BOTH "A" AND "B". (REV. 12/00) NOTICE A SIGNED BID MUST BE SUBMITTED TO: DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130 THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID BUYER: 33 RFQ. NO.: 05700378						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
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TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
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LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
BID OPENING DATE AND TIME PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: ----- CONTACT PERSON (PLEASE PRINT CLEARLY): ----- ***** THIS IS THE END OF RFQ 05700378 ***** TOTAL: _____						

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SPECIFICATIONS

The following sections of the West Virginia Department of Transportation, Division of Highways Standard Specifications Road and Bridges, adopted 2000 as modified by the January 1, 2003 Supplemental Specifications shall apply to the administration of this requisition: Sections 101, 102.4, 102.5, 105.1, 105.3, 105.4, 105.10, 105.11, 105.12, 105.13, 106.3, 106.4, 106.5, 106.6, 106.7, 106.9, 107.1, 107.2, 107.3, 107.14, 107.19, 107.20, 108.8, 108.9, 109.1, 109.2 and 109.20

All items supplied under this requisition shall meet the requirements of the "West Virginia Department of Transportation, Division of Highways Standard Specifications Road and Bridges, adopted 2000, as modified by the January 1, 2003 Supplemental Specifications.

All Prestressed Concrete Box Shaped Beams shall be manufactured in accordance with West Virginia Department of Transportation, Division of Highways Standard Bridge Plan Sheets as follows:

<u>Item Description</u>	<u>Standard Sheet No</u>	<u>Revision Date</u>
17" Box Beam	BR-B17A & BR-B17B	9/96
Beam Details	BR-B100, BR-B101, BR-B102 & BR-B104	9/96
Post-Tensioning Details.	BR-B103	9/96

Alternates to the above Division of Highways standards will be permitted if approved by the District Five Bridge Engineer. Alternate designs must be submitted for approval on the Design Data Charts provided as a part of the quotation sheets for this requisition and must be approved prior to award of this requisition purchase order. In addition to the design criteria contained on the Division of Highways Standard Bridge Plan Sheets referenced above, all alternate designs must be based on the following criteria:

- A. One lane bridge with a deck width of 15'-0" out to out and roadway width of 15'-0" rail to rail.
- B. Guardrail superimposed dead load of 30 pounds per linear foot assumed to be applied equally to all beams.
- C. Future wearing surface superimposed dead load of 50 psf applied equally to all beams.

D. Live loading of 1.25X HS20-44(HS25).

The terms "Contractor" and "Vendor" used in the above specifications or this requisition are interchangeable. Contractor shall mean Vendor and Vendor shall mean Contractor.

West Virginia Department of Transportation, Division of Highways Standard Specifications Road and Bridges, adopted 2000 and Supplemental Specifications dated January 1, 2003 may be obtained from:

WEST VIRGINIA DIVISION OF HIGHWAYS
CONTRACT ADMINISTRATION DIVISION
1900 KANAWHA BLVD., EAST
BLDG. 5, ROOM A-729
CHARLESTON, WV 25305
PHONE (304) 558-2871

West Virginia Department of Transportation, Division of Highways Standard Bridge Plan Sheets may be obtained from:

WEST VIRGINIA DIVISION OF HIGHWAYS
DISTRICT FIVE HEADQUARTERS, BRIDGE DEPT.
P. O. BOX 99
BURLINGTON, WV 26710-0099
PHONE (304) 289-2220

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 preformed at no additional cost to the Division of Highways.

DELIVERY

Upon receipt of a State Purchase Order the Vendor shall submit shop drawings to the District Five Bridge Engineer within twenty (20) calendar days. Shop drawings must be approved by the Division of Highways prior to the manufacture of any beam sections.

All beam sections and accessories shall be available for delivery to the specified delivery site within (75) calendar days after Vendor's receipt of approved shop drawings.

The Division of Highways requires that all beam sections be delivered to the designated job site in a single calendar day.

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 Road and Bridges.

Sites for delivery of beam sections and accessories under this requisition purchase order 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 Requisition Purchase Order the Vendor must notify the District Five Bridge Engineer within ten (10) calendar days if delivery under the terms of this requisition 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 Road and Bridges adopted 1993 as modified by the July 1, 1998 Supplemental Specifications

VENDOR INVOICE

Vendors invoices must be submitted in original and one copy and contain the following:

- a. Division of Highways Requisition Purchase Order number
- b. Total quantity and unit price with the total cost of each type of beam section, other items furnished.

NOTE: Under no circumstance will the West Virginia Division of Highways, accept or pay for quantities of material in excess of the quantity stated on the Requisition Purchase Order.

PARTIAL PAYMENT OF APPROVED BEAMS

Upon completion of manufacture and approval by the Division of Highways of all Beams, specified on the Requisition 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 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 Requisition Purchase Order.
- c. The vendor shall furnish a statement of approved beam 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.

PRESTRESSED CONCRETE BOX BEAMS & ASSOCIATED HARDWARE

PACKING HOUSE BRIDGE

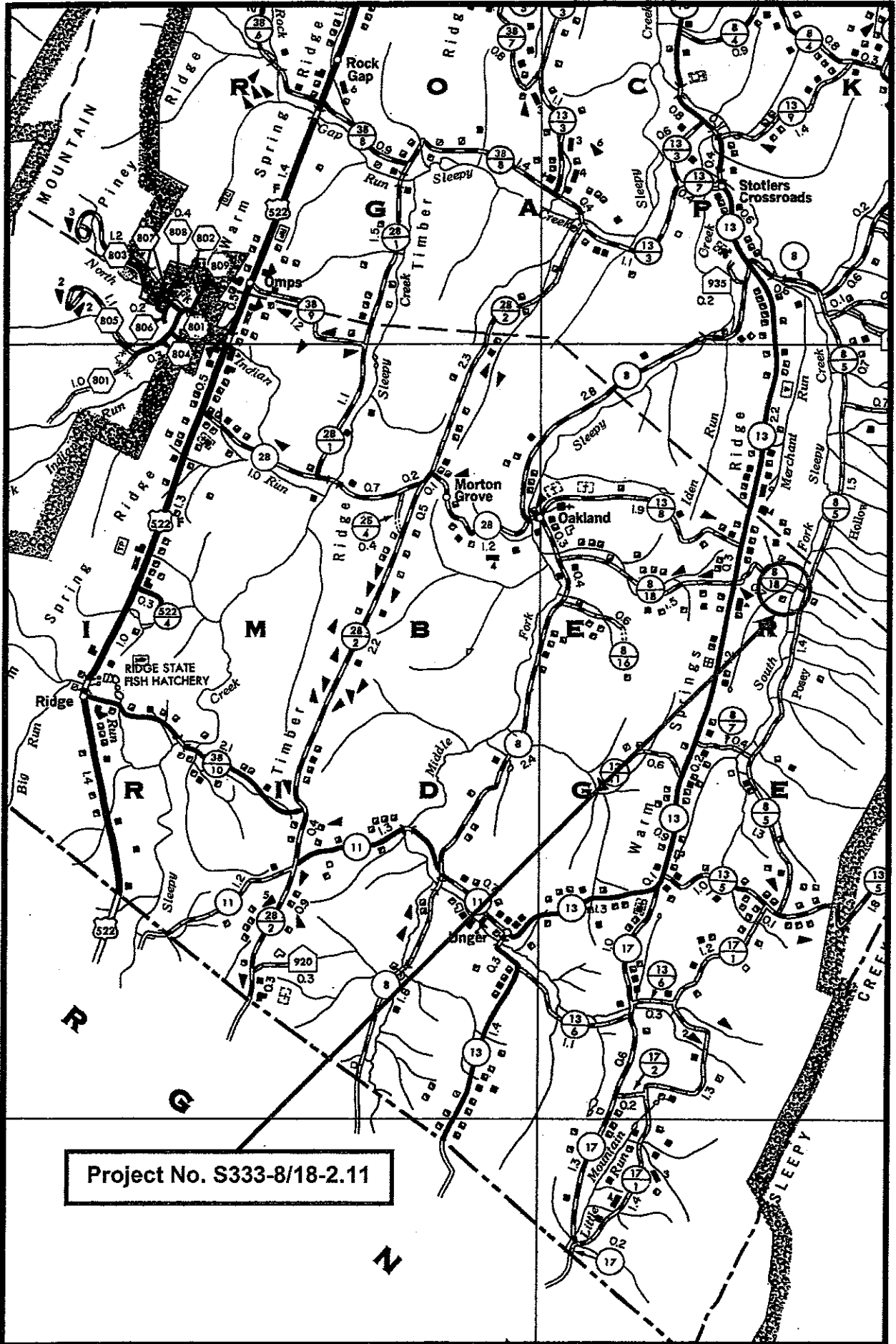
STATE PROJECT NO. S333-8/18-2.11

BID SCHEDULE

Item No.	Quantity	Description	Unit Price	Amount
01.	2	EACH - EXTERIOR BEAMS 17" depth x 36" width x 31' - 6" overall length (30'-0" c-c bearing anchor bolt holes). With all guardrail & hardware attached.	_____	_____
02.	3	EACH - INTERIOR BEAMS 17" depth x 36" width x 31' - 6" overall length. (30'-0" c-c bearing anchor bolt holes)	_____	_____
03.	10	EACH - ELASTOMERIC BEARING PADS (3/4" thick x 5" x 24")	_____	_____
04.	10	EACH - NO. 8 DEFORMED ANCHOR BOLT (Grade 50) bar. 1" diameter X 2'-10" length	_____	_____
05.	30	LF - PREFORMED JOINT FILLER. (1" thick x 17")	_____	_____
06.	2	EACH - POST TENSIONING BARS. (1" diameter, threaded, full length bars, with all plates, hex nuts and other hardware as required)	_____	_____
TOTAL				\$ _____

EXTERIOR BEAMS ARE TO BE SHIPPED COMPLETE WITH ALL GUARDRAIL, INSERTS, GUARDRAIL POSTS, GUARDRAIL ATTACHED.

ALL BEAMS AND OTHER ITEMS ARE TO BE IN ACCORDANCE WITH THE ATTACHED PLANS AND SPECIFICATIONS FOR THIS PROJECT.

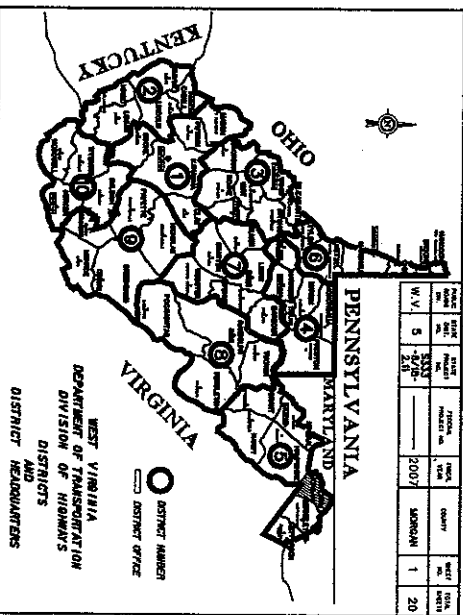


Project No. S333-8/18-2.11

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR CONSTRUCTION

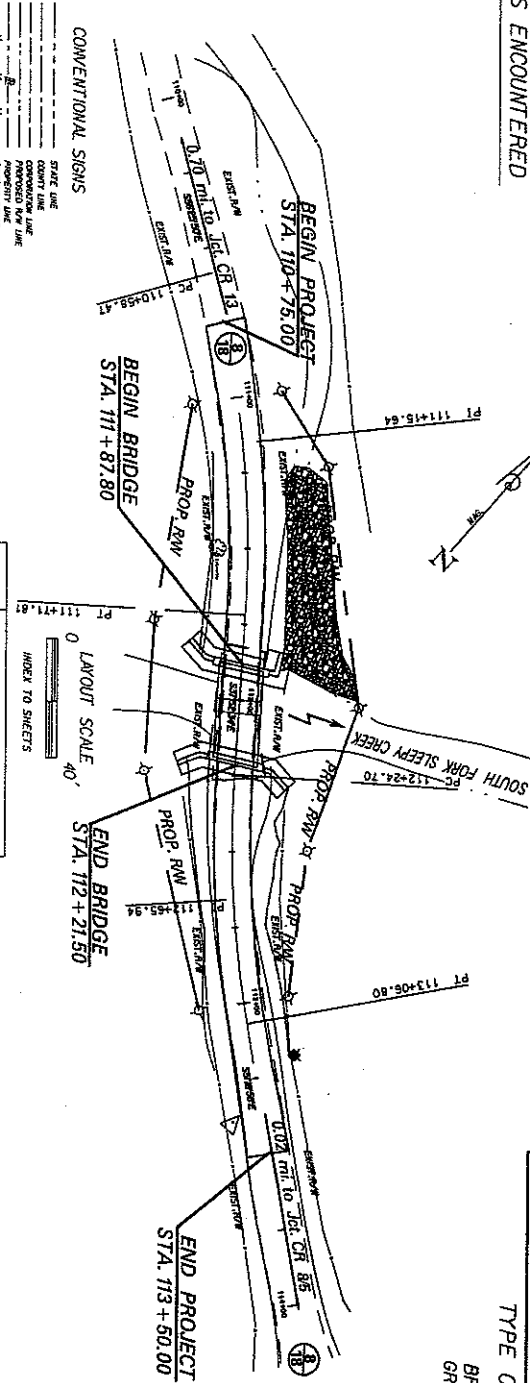
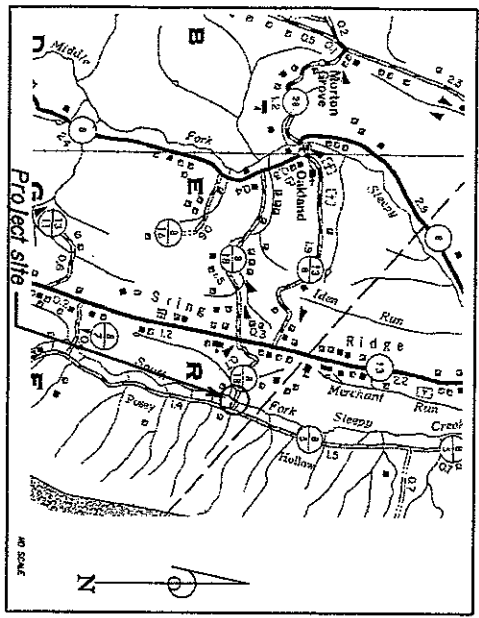
OF PACKING HOUSE BRIDGE STATE PROJECT NO. S333-8/18-211 ROUTE NO. CO. 8/18 (SLS) TIMBER RIDGE DISTRICT MORGAN COUNTY

PROJECT LENGTH
BEGIN PROJECT STATION 110+75.00
END PROJECT STATION 113+50.00
TOTAL PROJECT LENGTH - 275.00 FT. - 0.05 mi.



TYPE OF CONSTRUCTION

BRIDGE NO. 33-8/18-212,
GRADE, DRAIN, & PAVE



CONVENTIONAL SIGNS

STATE LINE	ROADWAY	INTERSECTION	CROSSING	UTILITY
ADJ. J. (2003)	A.D.J. (2003)	ADJ. J. (2003)	ADJ. J. (2003)	ADJ. J. (2003)
D.H. V.	D.H. V.	D.H. V.	D.H. V.	D.H. V.
T	T	T	T	T
V	V	V	V	V

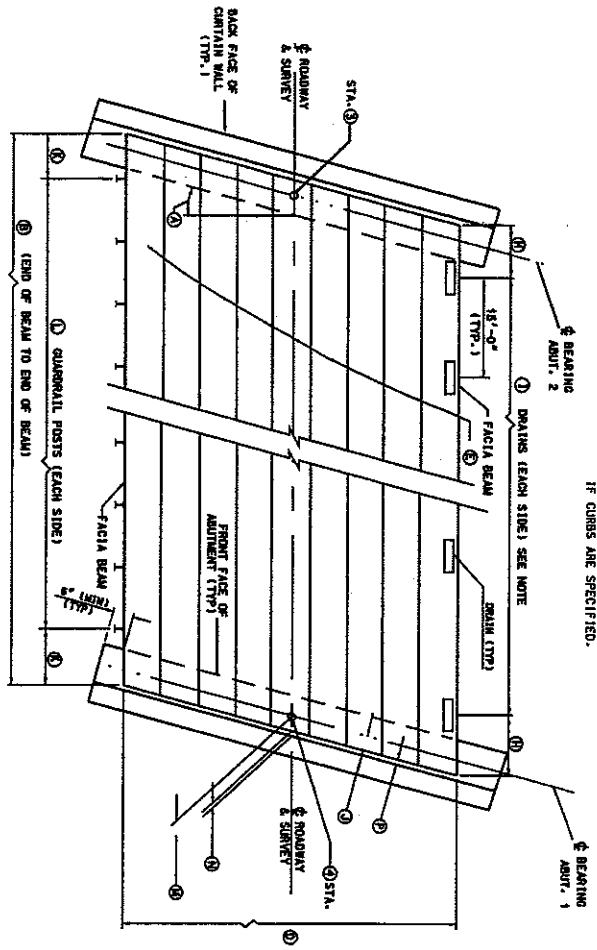
NO.	DESCRIPTION
1	TYPE SECTION
2	ESTIMATE OF QUANTITIES
3	GENERAL NOTES
4	MAINTENANCE OF TRAFFIC
5	PLAN SHEET
6	CROSS SECTIONS
7	CROSS SECTIONS
8	CROSS SECTIONS
9	CROSS SECTIONS
10	CROSS SECTIONS
11	CROSS SECTIONS
12	CROSS SECTIONS
13	CROSS SECTIONS
14	CROSS SECTIONS
15	CROSS SECTIONS
16	CROSS SECTIONS
17	CROSS SECTIONS
18	CROSS SECTIONS
19	CROSS SECTIONS
20	CROSS SECTIONS

APPROVED DISTRICT ENGINEER

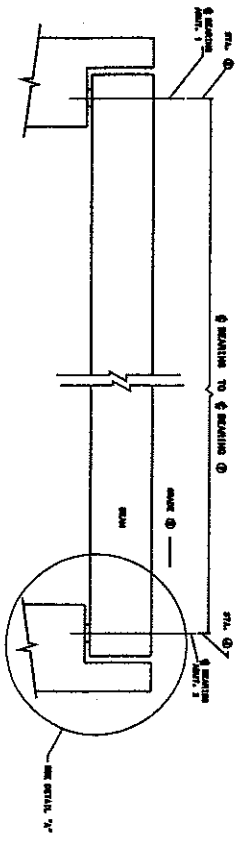
DESIGNED DISTRICT ENGINEER

BRIDGE NO. 33-8/18-212

NOTE: DRAINS ARE REQUIRED ONLY IF CURBS ARE SPECIFIED.

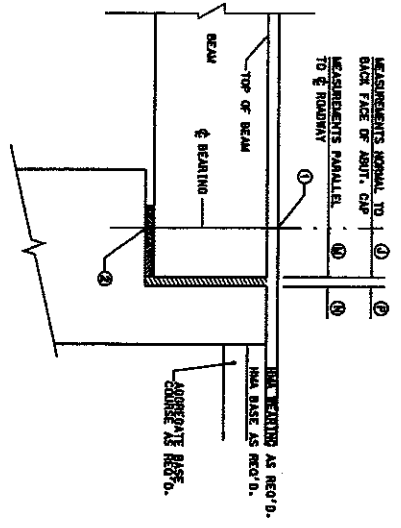


SUPERSTRUCTURE LAYOUT PLAN



SUPERSTRUCTURE ELEVATION ALONG & ROADWAY

* IF BEARING SURFACE IS OBTAINED, SHALL BE QUANTITIES SHALL BE QUANTITIES PARALLEL TO & ROADWAY



CONTROL ELEVATIONS & BEARING DIMENSIONS ALONG & ROADWAY
DETAIL "A"

NO.	DATE	PROJECT NUMBER	COUNTY	SHEET NO.	TOTAL SHEETS
1	8-11-11	633-4-11-4-11	MORGAN	8	20

CODE	ABUTMENT 1	ABUTMENT 2
1	300.04	300.04
2	298.46	298.46

CONTROL ELEVATIONS ESTABLISHED FROM SURVEY

CODE	LOCATION	STATIONING
1	ROADWAY AT ABUT. 1	111+48.48
2	ROADWAY AT ABUT. 2	114+8.48

CONTROL STATIONING ESTABLISHED FROM SURVEY

DIMENSION	CODE	VALUE
BEARING CENTERING	A	1/2" LR
LENGTH OF BEAMS, 60'-0"-60'	B	31'-4"
DECK WIDTH, 60'-0"-60'	D	58'-0"
NUMBER OF BEAMS	E	8
SPACING BETWEEN BEAMS TO & BEARING	F	30'-0"
DISTANCE FROM END OF BEAM TO & OF MAIN	H	N/A
NUMBER OF DRAINS, EACH SIDE	I	N/A
PERPENDICULAR DISTANCE FROM BEARING TO END OF BEAM TO FACIA BEAM	J	1'-4"
SPACING OF QUONIAM POSTS	L	10
DISTANCE FROM BEARING TO END OF BEAM (PARALLEL TO & ROAD)	M	8'
WIDTH OF EXPANSION JOINTS PARALLEL TO & OF ROADWAY	N	1'
PERPENDICULAR WIDTH OF EXPANSION JOINTS	P	1'
GRADE 5	Q	0.005

ESTIMATE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY
1	PRESTRESSED CONCRETE BEAMS	LF	187.8
2	REINFORCING	TON	6.3

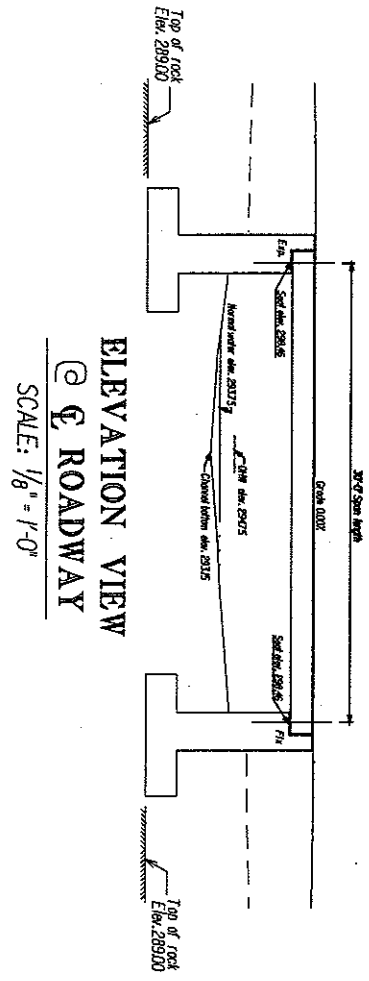
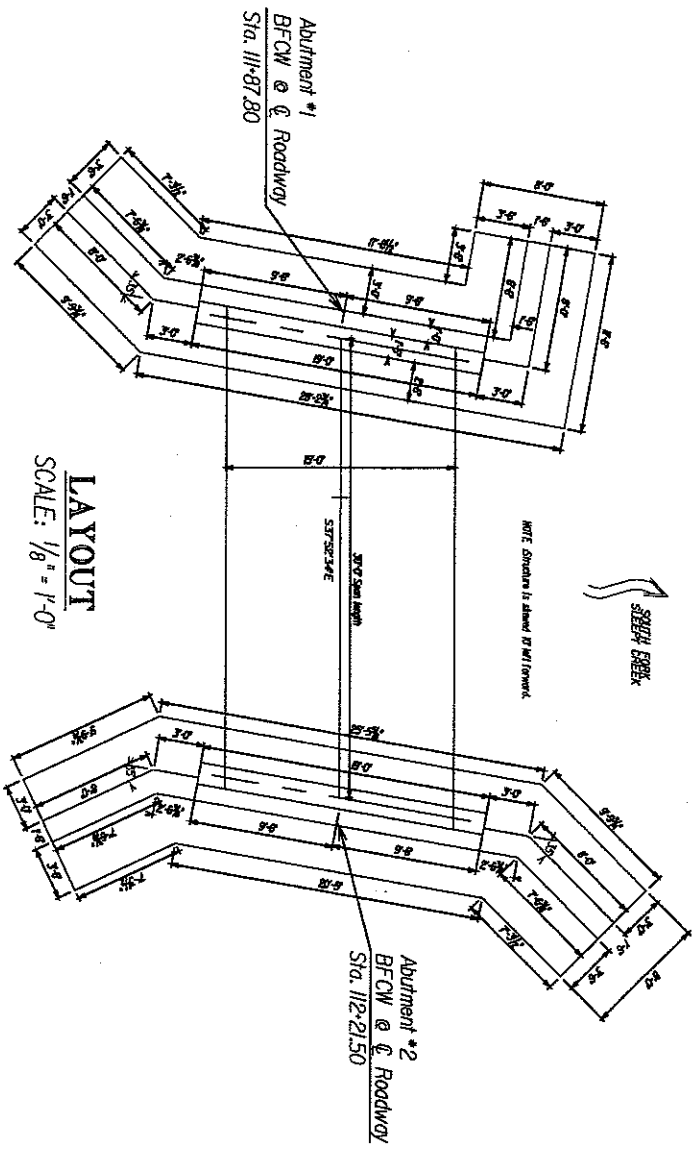
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - STRUCTURES

PACKING HOUSE BRIDGE OVER SOUTH FORK SLEEPY CREEK IN MORGAN COUNTY

SUPERSTRUCTURE PLAN

SHEET BR-1A

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - STRUCTURES
PROFESSIONAL ENGINEER
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 12/31/2011
MARTIN LUTHER KING, JR. BRIDGE DESIGN



HYDRAULIC DATA

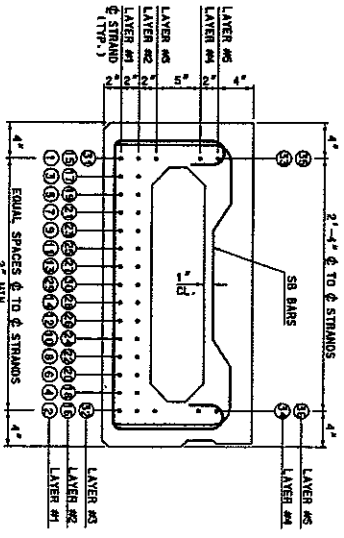
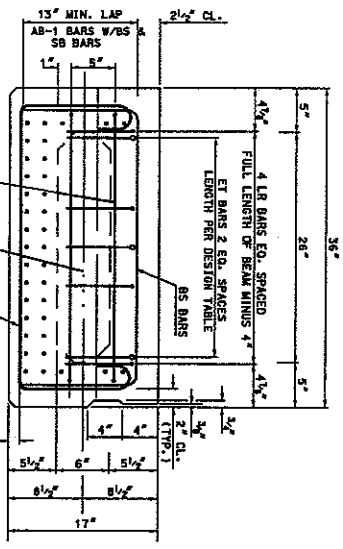
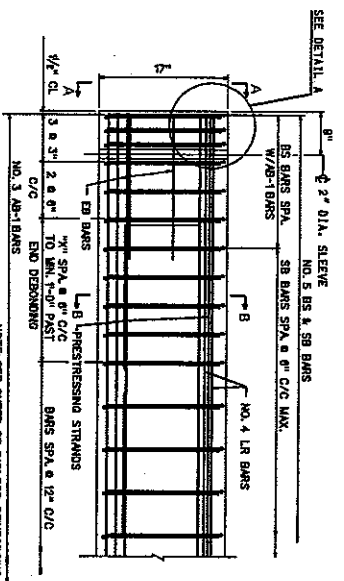
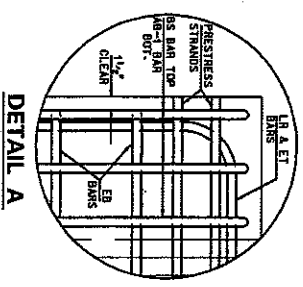
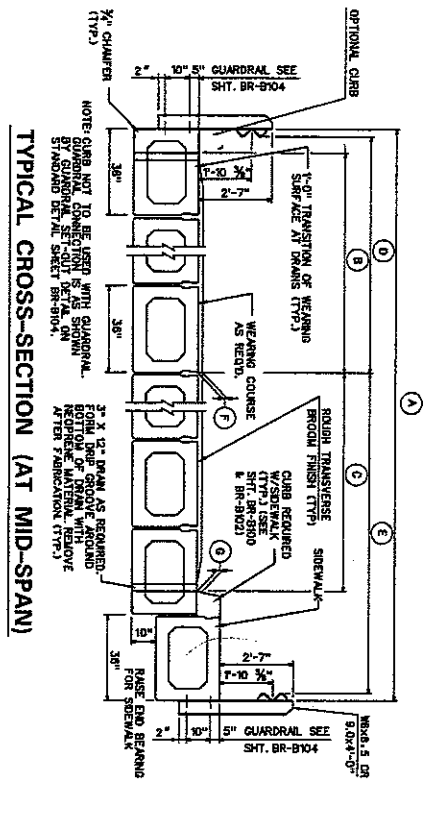
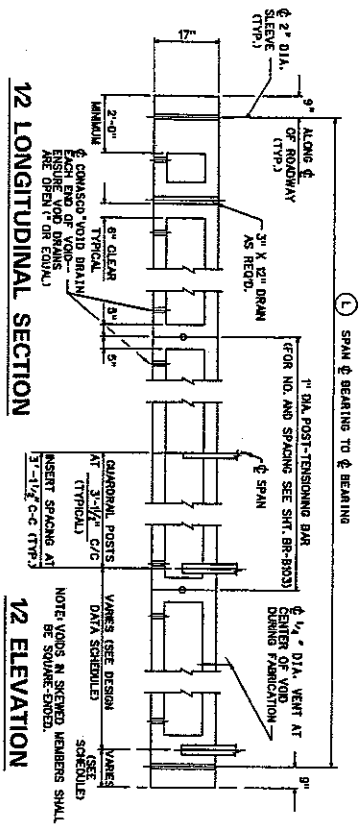
DRAINAGE AREA - 2,932 ACRES
 Q 10 (USGS METHOD) - 646 CFS
 NEW OPENING - 128 S.F.
 EXISTING OPENING - 7 S.F.
 ELEVATION BOTTOM OF SUPER-
 STRUCTURE (NEW) - 298.50
 ELEVATION BOTTOM OF SUPER-
 STRUCTURE (EXISTING) - N/A

Backsight elevations for the proposed bridge are less than backsight elevations for the existing structure of the design flow rate.

STATE	FEDERAL DIST.	COUNTY	SHEET NO.	TOTAL SHEETS
3333-9/18-2-12		MORGAN	9	20

REVISION	DATE	W. VA. DEPARTMENT OF HIGHWAYS STRUCTURES DIVISION PACKING SHED ROAD BRIDGE OVER SOUTH FORK SLEEPY CREEK IN MORGAN COUNTY LAYOUT & ELEVATION
DESIGNED	5-16	
CHECKED		
ORDERED		

SHEET 9 OF 11
 PROJECT NO. 333-9/18-2-12



CONTROL DIMENSIONS		
CODE	DESCRIPTION	VALUE
A	DECK WIDTH, OUT TO OUT	15'-0"
B	DISTANCE FROM FACE OF ROADWAY TO FACE OF CURB (NO SIDEWALK)	N/A
C	DISTANCE FROM FACE OF ROADWAY TO FACE OF CURB (WITH SIDEWALK)	N/A
D	DISTANCE FROM FACE OF ROADWAY TO FACE OF GUARDRAIL (NO SIDEWALK)	7'-6"
E	DISTANCE FROM FACE OF ROADWAY TO FACE OF GUARDRAIL (WITH SIDEWALK)	N/A
F	THICKNESS OF WEARING COURSE AT FACE OF CURB	3"
G	THICKNESS OF WEARING COURSE AT FACE OF CURB	3"
H	SPAN LENGTH, & BEARING TO & BEARING	30'
I	OPTIONAL 30" CURB TO BE INCLUDED (YES OR NO)	NO
J	OPTIONAL PARAPET TO BE INCLUDED (YES OR NO)	NO
K	OPTIONAL SPECIAL DESIGN (REQUIRES SPECIAL DESIGN)	NO
L	TOE PLATE REQUIRED (YES OR NO)	NO

DESCRIPTION			VALUE
HOT-LAD BRITANNIC CONCRETE REQUIRED (YES OR NO)			YES
GUARDRAIL REQUIRED (YES OR NO)			YES
DRAWNS REQUIRED (YES OR NO)			NO
CURTAIN WALL REQUIRED (YES OR NO)			YES
GUARDRAIL SETOUT REQUIRED (YES OR NO)			YES
GUARDRAIL BLOCKOUT REQUIRED (YES OR NO)			NO

PROJECT NUMBER	COUNTY	SHEET TOTAL
333-418-4-11	MONROE	13 OF 20

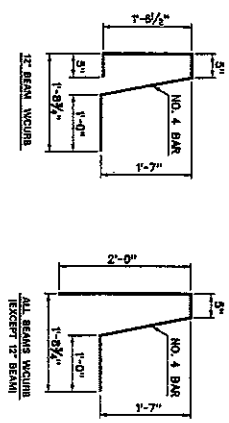
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS-STRUCTURES

PACKING HOUSE BRIDGE
OVER
SOUTH FORK SLEEPY CREEK
IN
MORGAN COUNTY

17" PRESTRESSED BOX BEAM
DESIGN & ASSEMBLY DETAILS

33-8/18-2-12

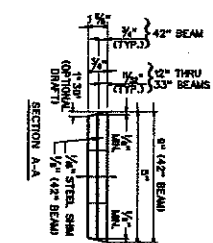
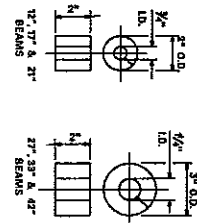
TO ACCOMMODATE THE 2" DIAMETER ANCHOR SLEEVES WHEN CENTER STRAND(S) IS/ARE PRESENTED, STRINGS IN LAYERS 1 AND 2 MAY BE CENTER HORIZONTALLY PLACED IN THE CENTER OF THE BEAM AND THE CENTER STRAND(S) SHALL BE CENTER HORIZONTALLY PLACED IN THE CENTER OF THE BEAM. WHEN NECESSARY TO MOVE STRANDS VERTICALLY, THE ENGINEER SHALL CHECK DESIGN OR NEW PATTERN AND COMPLETE DESIGN TABLE WITH NEW DATA.



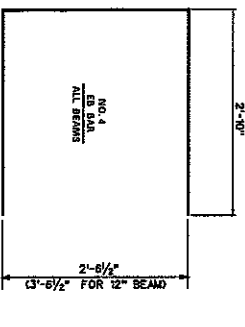
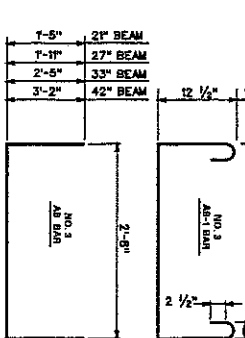
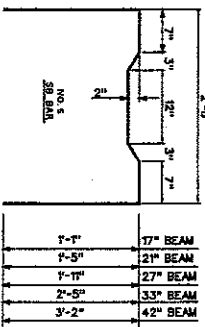
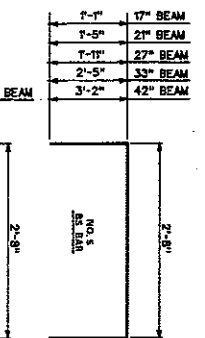
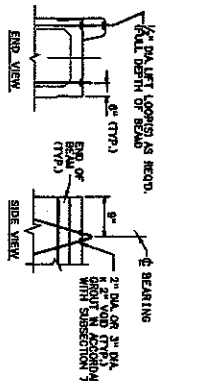
NOTE: WHEN CENTER STRANDS ARE USED, THEY ARE TO BE PLACED IN THE CENTER OF THE BEAM OR AS SPECIFIED IN THE DESIGN DATA FOR PROPER CENTER STRAND POSITION. CENTER STRAND(S) SHALL BE CENTER HORIZONTALLY PLACED IN THE CENTER OF THE BEAM. WHEN NECESSARY TO MOVE STRANDS VERTICALLY, THE ENGINEER SHALL CHECK DESIGN OR NEW PATTERN AND COMPLETE DESIGN TABLE WITH NEW DATA.

ANCHOR SLEEVE DETAILS
(USE WHEN CENTER STRAND IS SPECIFIED)

12" BEAM	1-5"
17" BEAM	1-5"
21" BEAM	1-5"
27" BEAM	1-5"
33" BEAM	1-5"
42" BEAM	1-5"



ELASTOMERIC BEARING PAD DETAIL
NOTES: THE BEARING PAD SHALL CONFORM TO ASHTO SPECIFICATIONS FOR HIGHWAY BRIDGES, SECTION 19, DIVISION 1, WITH A DIAMETER HARDNESS OF 80.

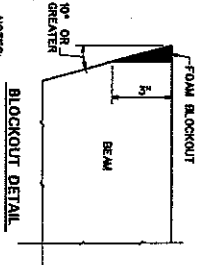
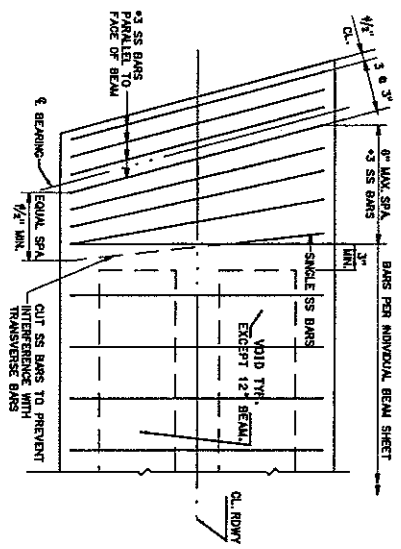


REINFORCING BAR DETAIL

NOTES:
1. MINIMUM BAR BENDING DIAMETER SHALL BE 6 BAR DIAMETER, EXCEPT THAT NO. 3 AND NO. 4 BARS THE MINIMUM BAR BENDING DIAMETER SHALL BE 4 BAR DIAMETER. ALL DIMENSIONS ARE OUT TO OUT.
2. IF OPTIONAL SPACING OF 18 AND 27 BARS IS USED, TERMINATION OF LAP SPLICE SHALL BE NO CLOSER TO THE END OF THE BEAM THAN 1/10 OF THE BEAM WIDTH. ALL DIMENSIONS SPLICES SHALL BE CONTACT TYPE.

NOTE: THIS SHEET TO BE USED WITH STANDARD SHEET BR-1 OR BR-1A, BR-12A, BR-12B, BR-17A, BR-17B, BR-23A, BR-23B, BR-27A, BR-27B, BR-33A, BR-33B, BR-42A, BR-42B, BR-51A, BR-51B, BR-51D, BR-51E, BR-51F, BR-51G, BR-51H, BR-51I, BR-51J, BR-51K, BR-51L, BR-51M, BR-51N, BR-51O, BR-51P, BR-51Q, BR-51R, BR-51S, BR-51T, BR-51U, BR-51V, BR-51W, BR-51X, BR-51Y, BR-51Z, BR-51AA, BR-51AB, BR-51AC, BR-51AD, BR-51AE, BR-51AF, BR-51AG, BR-51AH, BR-51AI, BR-51AJ, BR-51AK, BR-51AL, BR-51AM, BR-51AN, BR-51AO, BR-51AP, BR-51AQ, BR-51AR, BR-51AS, BR-51AT, BR-51AU, BR-51AV, BR-51AW, BR-51AX, BR-51AY, BR-51AZ, BR-51BA, BR-51BB, BR-51BC, BR-51BD, BR-51BE, BR-51BF, BR-51BG, BR-51BH, BR-51BI, BR-51BJ, BR-51BK, BR-51BL, BR-51BM, BR-51BN, BR-51BO, BR-51BP, BR-51BQ, BR-51BR, BR-51BS, BR-51BT, BR-51BU, BR-51BV, BR-51BW, BR-51BX, BR-51BY, BR-51BZ, BR-51CA, BR-51CB, BR-51CC, BR-51CD, BR-51CE, BR-51CF, BR-51CG, BR-51CH, BR-51CI, BR-51CJ, BR-51CK, BR-51CL, BR-51CM, BR-51CN, BR-51CO, BR-51CP, BR-51CQ, BR-51CR, BR-51CS, BR-51CT, BR-51CU, BR-51CV, BR-51CW, BR-51CX, BR-51CY, BR-51CZ, BR-51DA, BR-51DB, BR-51DC, BR-51DD, BR-51DE, BR-51DF, BR-51DG, BR-51DH, BR-51DI, BR-51DJ, BR-51DK, BR-51DL, BR-51DM, BR-51DN, BR-51DO, BR-51DP, BR-51DQ, BR-51DR, BR-51DS, BR-51DT, BR-51DU, BR-51DV, BR-51DW, BR-51DX, BR-51DY, BR-51DZ, BR-51EA, BR-51EB, BR-51EC, BR-51ED, BR-51EE, BR-51EF, BR-51EG, BR-51EH, BR-51EI, BR-51EJ, BR-51EK, BR-51EL, BR-51EM, BR-51EN, BR-51EO, BR-51EP, BR-51EQ, BR-51ER, BR-51ES, BR-51ET, BR-51EU, BR-51EV, BR-51EW, BR-51EX, BR-51EY, BR-51EZ, BR-51FA, BR-51FB, BR-51FC, BR-51FD, BR-51FE, BR-51FF, BR-51FG, BR-51FH, BR-51FI, BR-51FJ, BR-51FK, BR-51FL, BR-51FM, BR-51FN, BR-51FO, BR-51FP, BR-51FQ, BR-51FR, BR-51FS, BR-51FT, BR-51FU, BR-51FV, BR-51FW, BR-51FX, BR-51FY, BR-51FZ, BR-51GA, BR-51GB, BR-51GC, BR-51GD, BR-51GE, BR-51GF, BR-51GG, BR-51GH, BR-51GI, BR-51GJ, BR-51GK, BR-51GL, BR-51GM, BR-51GN, BR-51GO, BR-51GP, BR-51GQ, BR-51GR, BR-51GS, BR-51GT, BR-51GU, BR-51GV, BR-51GW, BR-51GX, BR-51GY, BR-51GZ, BR-51HA, BR-51HB, BR-51HC, BR-51HD, BR-51HE, BR-51HF, BR-51HG, BR-51HH, BR-51HI, BR-51HJ, BR-51HK, BR-51HL, BR-51HM, BR-51HN, BR-51HO, BR-51HP, BR-51HQ, BR-51HR, BR-51HS, BR-51HT, BR-51HU, BR-51HV, BR-51HW, BR-51HX, BR-51HY, BR-51HZ, BR-51IA, BR-51IB, BR-51IC, BR-51ID, BR-51IE, BR-51IF, BR-51IG, BR-51IH, BR-51II, BR-51IJ, BR-51IK, BR-51IL, BR-51IM, BR-51IN, BR-51IO, BR-51IP, BR-51IQ, BR-51IR, BR-51IS, BR-51IT, BR-51IU, BR-51IV, BR-51IW, BR-51IX, BR-51IY, BR-51IZ, BR-51JA, BR-51JB, BR-51JC, BR-51JD, BR-51JE, BR-51JF, BR-51JG, BR-51JH, BR-51JI, BR-51JJ, BR-51JK, BR-51JL, BR-51JM, BR-51JN, BR-51JO, BR-51JP, BR-51JQ, BR-51JR, BR-51JS, BR-51JT, BR-51JU, BR-51JV, BR-51JW, BR-51JX, BR-51JY, BR-51JZ, BR-51KA, BR-51KB, BR-51KC, BR-51KD, BR-51KE, BR-51KF, BR-51KG, BR-51KH, BR-51KI, BR-51KJ, BR-51KK, BR-51KL, BR-51KM, BR-51KN, BR-51KO, BR-51KP, BR-51KQ, BR-51KR, BR-51KS, BR-51KT, BR-51KU, BR-51KV, BR-51KW, BR-51KX, BR-51KY, BR-51KZ, BR-51LA, BR-51LB, BR-51LC, BR-51LD, BR-51LE, BR-51LF, BR-51LG, 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SHEAR REINFORCEMENT DETAIL
SKEWED BEAMS



NOTES:
1) FABRICATOR SHALL PROVIDE BLOCKOUT OF ACUTE CORNERS ON ALL BEAMS WITH SLEWS OR 10 DEGREES OR GREATER.
2) AFTER ERECTION, ALL ANTI-CORROSION BLOCKOUT SHALL BE FILLED WITH GROUT IN ACCORDANCE WITH SUBSECTION 716.5 OF THE STANDARD SPECIFICATIONS.

LAP SPLICE TABLE

BAR NO.	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7
GRADE 60	20"	20"	33"	36"	45"

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS-STRUCTURES
DESIGN & ASSEMBLY DETAILS
STANDARD SHEET BR-510

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS-STRUCTURES

PACKING HOUSE BRIDGE
OVER
SOUTH FORK SLEEPY CREEK
IN
MORGAN COUNTY

PRESTRESSED CONCRETE BEAM
DESIGN & ASSEMBLY DETAILS

BRIDGE NUMBER: 11
BRIDGE DESIGN: 12
BRIDGE DESIGN: 7

FEDERAL STATE PROJECT NUMBER	5
COUNTY	MORGAN
SHEET TOTAL	18
DATE	4-18-85
BY	...
CHECKED BY	...
APPROVED BY	...

GENERAL NOTES

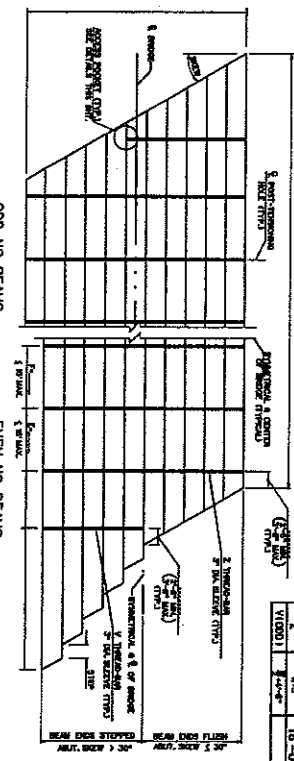
1. POST-TENSIONING ANCHOR-BLOCKS SHALL BE STRESSED AS FEATURES OF THE BRIDGE AND SHALL BE CONSIDERED AS PARTS OF THE BRIDGE. THE STRESSING OF ANCHOR-BLOCKS SHALL BE CALCULATED IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION OF THE BRIDGE AND SHALL BE APPROVED BY THE DIVISION OF HIGHWAYS.
2. POST-TENSIONING TENDONS SHALL BE ONE INCH DIAMETER, 150,000 PSI STEEL, AND SHALL BE STRESSED TO 70% OF TENSILE STRENGTH. THE TENDONS SHALL BE STRESSED IN THE ORDER SHOWN ON THE DRAWINGS AND SHALL BE STRESSED TO THE TENSILE STRENGTH OF THE TENDON. THE TENDONS SHALL BE STRESSED TO THE TENSILE STRENGTH OF THE TENDON. THE TENDONS SHALL BE STRESSED TO THE TENSILE STRENGTH OF THE TENDON.
3. ALL REINFORCING CONCRETE SHALL BE GRADE 50 AND EXACT CEMENT.
4. ALL REINFORCING CONCRETE SHALL BE GRADE 50 AND EXACT CEMENT.
5. ALL REINFORCING CONCRETE SHALL BE GRADE 50 AND EXACT CEMENT.
6. ALL REINFORCING CONCRETE SHALL BE GRADE 50 AND EXACT CEMENT.
7. ALL REINFORCING CONCRETE SHALL BE GRADE 50 AND EXACT CEMENT.
8. ALL REINFORCING CONCRETE SHALL BE GRADE 50 AND EXACT CEMENT.
9. ALL REINFORCING CONCRETE SHALL BE GRADE 50 AND EXACT CEMENT.
10. ALL REINFORCING CONCRETE SHALL BE GRADE 50 AND EXACT CEMENT.

PROCEDURES

1. BEAMS ARE TO BE SET WITH AN GAP BETWEEN THEM.
2. AFTER ALL BEAMS ARE SET, THE BEAMS SHALL BE FILLED TOGETHER TRANSVERSELY BY APPLYING A SLIGHT POST-TENSIONING FORCE, APPROXIMATELY 3,000 POUNDS.
3. FILL THE SHEAR KEY GAP WITH THE PRE-APPROVED GROUT MIXTURE.
4. AFTER GROUT HAS BEEN PLACED FOR A MINIMUM OF 24 HOURS, APPLY 10% TO 15% OF THE FINAL POST-TENSIONING TO ALL TENDONS, WORKING BEAM ENDS TO MID-SPAN. AFTER ALL TENDONS ARE TENSIONED TO 50% OF THE FINAL TENSIONING FORCE, TENSIONING IN SHEAR KEYS AS ABOVE.
5. MEASURE AND RECORD, ON THE SPACE PROVIDED ON THE PLANS, THE ACTUAL TOTAL ELONGATION OF EACH TENDON-SHAFT, COMPARE THE ACTUAL ELONGATION TO THE PREDICTED ELONGATION, AND STATE THE PERCENT DIFFERENCE IN ACTUAL ELONGATION VERSUS PREDICTED ELONGATION. IF THE PERCENT DIFFERENCE IS MORE THAN 15%, THE JACK WILL BE RECALIBRATED AND THE JACKING TECHNIQUES WILL BE REEVALUATED. THE PERCENTAGE OF THE ACTUAL ELONGATION TO THE PREDICTED ELONGATION SHALL BE RECORDED ON THE DRAWINGS. THE ENGINEER WILL BE CONTACTED FOR ADVICE.
6. USING SAW, TRIM EXCESS TENDON-GAR LEAVING A MINIMUM OF 4" PAST THE ANCHOR ON EACH END. TRIM TENDON-GAR BY TAPER CUTTING, TAPER UP TRIMMED ENDS WITH QUALIFICAL, INSTALL ANCHOR DOMES AT EACH END.

GROUT STRENGTH TABLE

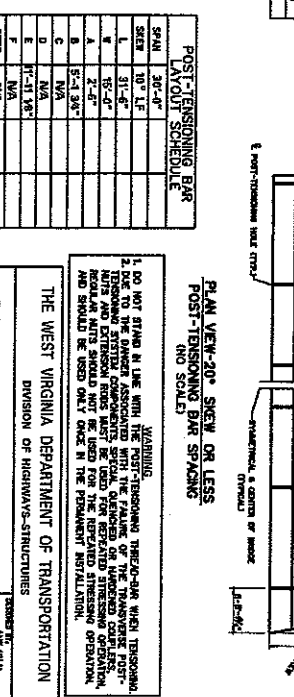
AGE	STRENGTH (PSI)	STRENGTH (MPA)
3 DAY	7 DAY	28 DAY
100	150	200
150	200	250
200	250	300
250	300	350
300	350	400
350	400	450
400	450	500
450	500	550
500	550	600
550	600	650
600	650	700
650	700	750
700	750	800
750	800	850
800	850	900
850	900	950
900	950	1000



POST-TENSIONING BAR LENGTHS (NO SCALE)

BAR	LENGTH	NOTE
1	18'-0"	
2	18'-0"	
3	18'-0"	
4	18'-0"	
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16	18'-0"	
17	18'-0"	
18	18'-0"	
19	18'-0"	
20	18'-0"	
21	18'-0"	
22	18'-0"	
23	18'-0"	
24	18'-0"	
25	18'-0"	
26	18'-0"	
27	18'-0"	
28	18'-0"	
29	18'-0"	
30	18'-0"	
31	18'-0"	
32	18'-0"	
33	18'-0"	
34	18'-0"	
35	18'-0"	
36	18'-0"	
37	18'-0"	
38	18'-0"	
39	18'-0"	
40	18'-0"	
41	18'-0"	
42	18'-0"	
43	18'-0"	
44	18'-0"	
45	18'-0"	
46	18'-0"	
47	18'-0"	
48	18'-0"	
49	18'-0"	
50	18'-0"	

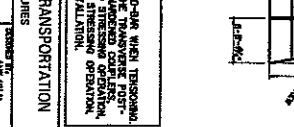
PLAN VIEW-SHEWED BRIDGE > 20° POST-TENSIONING BAR SPACING (NO SCALE)



POST-TENSIONING BAR LAYOUT SCHEDULE

BAR	LENGTH	NOTE
1	18'-0"	
2	18'-0"	
3	18'-0"	
4	18'-0"	
5	18'-0"	
6	18'-0"	
7	18'-0"	
8	18'-0"	
9	18'-0"	
10	18'-0"	
11	18'-0"	
12	18'-0"	
13	18'-0"	
14	18'-0"	
15	18'-0"	
16	18'-0"	
17	18'-0"	
18	18'-0"	
19	18'-0"	
20	18'-0"	
21	18'-0"	
22	18'-0"	
23	18'-0"	
24	18'-0"	
25	18'-0"	
26	18'-0"	
27	18'-0"	
28	18'-0"	
29	18'-0"	
30	18'-0"	
31	18'-0"	
32	18'-0"	
33	18'-0"	
34	18'-0"	
35	18'-0"	
36	18'-0"	
37	18'-0"	
38	18'-0"	
39	18'-0"	
40	18'-0"	
41	18'-0"	
42	18'-0"	
43	18'-0"	
44	18'-0"	
45	18'-0"	
46	18'-0"	
47	18'-0"	
48	18'-0"	
49	18'-0"	
50	18'-0"	

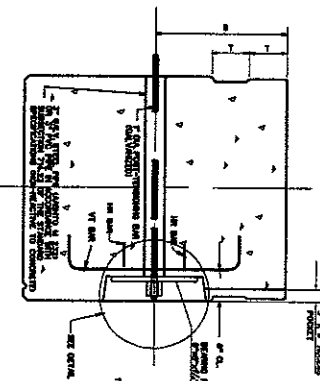
PLAN VIEW-20° SHEW OR LESS POST-TENSIONING BAR SPACING (NO SCALE)



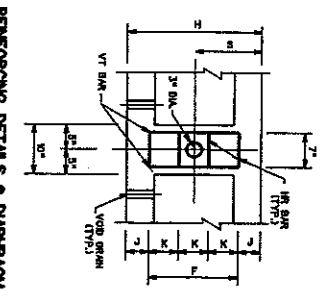
POST-TENSIONING BAR LAYOUT SCHEDULE

BAR	LENGTH	NOTE
1	18'-0"	
2	18'-0"	
3	18'-0"	
4	18'-0"	
5	18'-0"	
6	18'-0"	
7	18'-0"	
8	18'-0"	
9	18'-0"	
10	18'-0"	
11	18'-0"	
12	18'-0"	
13	18'-0"	
14	18'-0"	
15	18'-0"	
16	18'-0"	
17	18'-0"	
18	18'-0"	
19	18'-0"	
20	18'-0"	
21	18'-0"	
22	18'-0"	
23	18'-0"	
24	18'-0"	
25	18'-0"	
26	18'-0"	
27	18'-0"	
28	18'-0"	
29	18'-0"	
30	18'-0"	
31	18'-0"	
32	18'-0"	
33	18'-0"	
34	18'-0"	
35	18'-0"	
36	18'-0"	
37	18'-0"	
38	18'-0"	
39	18'-0"	
40	18'-0"	
41	18'-0"	
42	18'-0"	
43	18'-0"	
44	18'-0"	
45	18'-0"	
46	18'-0"	
47	18'-0"	
48	18'-0"	
49	18'-0"	
50	18'-0"	

ACCESS POCKET END POST-TENSIONING BAR DETAIL (NO SCALE)



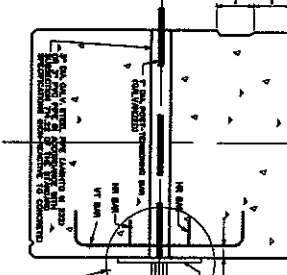
REINFORCING DETAILS & DIMENSIONS (EXT. BEAM & POCKETS ONLY) (NO SCALE)



DIMENSIONS

BEAM	REINFORCEMENT	BAR	SIZE	DIAM	SPACING	DIETS
1	1	1	1/2"	1/2"	18"	12
2	2	2	3/4"	3/4"	18"	12
3	3	3	1"	1"	18"	12
4	4	4	1 1/4"	1 1/4"	18"	12
5	5	5	1 1/2"	1 1/2"	18"	12
6	6	6	1 3/4"	1 3/4"	18"	12
7	7	7	2"	2"	18"	12
8	8	8	2 1/4"	2 1/4"	18"	12
9	9	9	2 1/2"	2 1/2"	18"	12
10	10	10	2 3/4"	2 3/4"	18"	12
11	11	11	3"	3"	18"	12
12	12	12	3 1/4"	3 1/4"	18"	12
13	13	13	3 1/2"	3 1/2"	18"	12
14	14	14	3 3/4"	3 3/4"	18"	12
15	15	15	4"	4"	18"	12
16	16	16	4 1/4"	4 1/4"	18"	12
17	17	17	4 1/2"	4 1/2"	18"	12
18	18	18	4 3/4"	4 3/4"	18"	12
19	19	19	5"	5"	18"	12
20	20	20	5 1/4"	5 1/4"	18"	12
21	21	21	5 1/2"	5 1/2"	18"	12
22	22	22	5 3/4"	5 3/4"	18"	12
23	23	23	6"	6"	18"	12
24	24	24	6 1/4"	6 1/4"	18"	12
25	25	25	6 1/2"	6 1/2"	18"	12
26	26	26	6 3/4"	6 3/4"	18"	12
27	27	27	7"	7"	18"	12
28	28	28	7 1/4"	7 1/4"	18"	12
29	29	29	7 1/2"	7 1/2"	18"	12
30	30	30	7 3/4"	7 3/4"	18"	12
31	31	31	8"	8"	18"	12
32	32	32	8 1/4"	8 1/4"	18"	12
33	33	33	8 1/2"	8 1/2"	18"	12
34	34	34	8 3/4"	8 3/4"	18"	12
35	35	35	9"	9"	18"	12
36	36	36	9 1/4"	9 1/4"	18"	12
37	37	37	9 1/2"	9 1/2"	18"	12
38	38	38	9 3/4"	9 3/4"	18"	12
39	39	39	10"	10"	18"	12
40	40	40	10 1/4"	10 1/4"	18"	12
41	41	41	10 1/2"	10 1/2"	18"	12
42	42	42	10 3/4"	10 3/4"	18"	12
43	43	43	11"	11"	18"	12
44	44	44	11 1/4"	11 1/4"	18"	12
45	45	45	11 1/2"	11 1/2"	18"	12
46	46	46	11 3/4"	11 3/4"	18"	12
47	47	47	12"	12"	18"	12
48	48	48	12 1/4"	12 1/4"	18"	12
49	49	49	12 1/2"	12 1/2"	18"	12
50	50	50	12 3/4"	12 3/4"	18"	12

POST-TENSIONING BAR DETAILS (NO SCALE)



PROJECT INFORMATION

STATE	PROJECT NUMBER	COUNTY	SHEET TOTAL
VA	333-4-12-2-11	ROANOKE	17 OF 20

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS-STRUCTURES
PACKING HOUSE BRIDGE
 OVER
SOUTH FORK SLEEPY CREEK
 IN
MORGAN COUNTY
 TRANSVERSE POST-TENSIONING DETAILS
 BRIDGE NUMBER 33-8/18-2-12

WARNING:
 1. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 2. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 3. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 4. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 5. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 6. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
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 10. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 11. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
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 14. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 15. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 16. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 17. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 18. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 19. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 20. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 21. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 22. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 23. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 24. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 25. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 26. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
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 28. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 29. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 30. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 31. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 32. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 33. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 34. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR WHEN TENSIONING.
 35. DO NOT STAIN IN LINE WITH THE POST-TENSIONING TENDON-GAR

A F F I D A V I T

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 owned 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 exceeds 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.

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. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

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

Vendor's Name: _____

Authorized Signature: _____ Date: _____