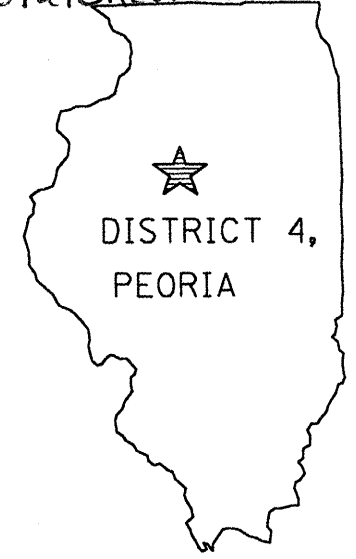


68843

D-94-075-08

SHEET 1

Total Sheets 12+2=14



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**  
ROUTES: VARIOUS  
SECTION: D4 BRIDGE PAINTING 2009  
COUNTY: TAZEWELL  
C-94-115-08

INDEX OF SHEETS

- 1) COVER SHEET
- 2) COMMITMENT SHEET/GENERAL NOTES
- 3&4) SUMMARY OF QUANTITIES
- 5&6) PLAN SHEETS 090-0053
- 7-9) PLAN SHEETS 090-0131
- 10-12) PLAN SHEETS 090-0095

PROJECT ENGINEER: JIM MILLER 309-671-3451

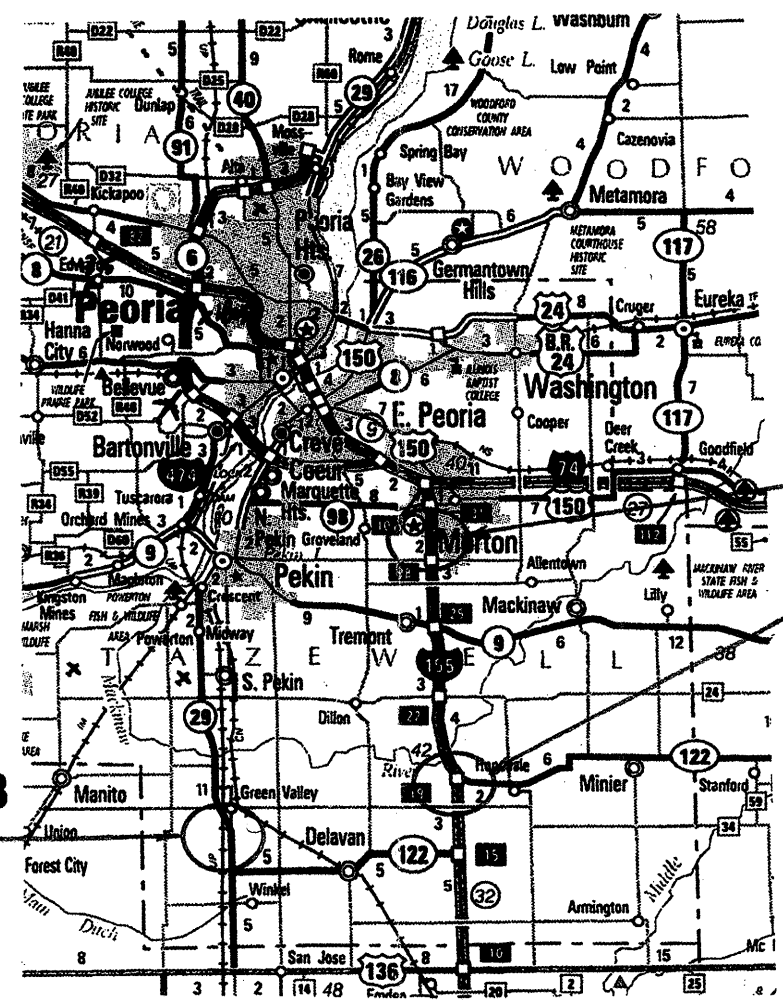
DESIGNER: TOM INGLIS 309-671-3481

TRAFFIC STANDARDS

- 701101-02
- 701106-02
- 701400-03
- 701402-07
- 701426-03
- 701901-01
- 704001-05
- 701601-06
- 701201-03
- 701401-05
- 701411-05

ADT  
 I-155 21,000 TOTAL, 3000 TRUCKS  
 ILL 29 1,500 TOTAL, 450 TRUCKS  
**CONTRACT NO. 68843**  
**CATALOG NO. 033848-00D**

J.U.L.I.E. 1-800-892-0123  
**JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION**



090-0053

090-0131

090-0095

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED FEB 9 20 09

*[Signature]*  
 DISTRICT ENGINEER

March 27, 20 09  
*Charles J. Ingersoll*  
 ENGINEER OF DESIGN AND ENVIRONMENT

March 27, 20 09  
*Christine M. Reed*  
 DIRECTOR, DIVISION OF HIGHWAYS

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 OF THE STATE OF ILLINOIS

# **COMMITMENTS**

No commitments have been made for this project.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D4 BRIDGE PAINTING 2009	TAZEWELL	12	2

# **GENERAL NOTES**

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Structural Steel". All beams, bearings and other structural steel shall be cleaned per Near White Blast Cleaning- SSPC-SP10 according to the following schedule.

Bridge No. 1 - 3, Entier Structrue

The The designated Paint System shall be Paint System 5 - MCU.

The Finish Coat for the Interior and Exterieur shall be according to the following schedule:

Bridge No. 1 - 3, All outside fascias and bottom of the bottom flange shall be Blue ( Munsell No. 10B 3/6 )  
All Underside shall be painted Light Gray ( Munsell No. 5B 7/1 )

## **AIR MONITORS**

STRUCTURE 090-0131 - 0  
STRUCTURE 090-0095 - 1  
STRUCTURE 090-0053 - 1

QP1 & QP2 ARE REQUIREMENTS FOR THIS PROJECT

**COMMITMENTS &  
GENERAL NOTES**

# Summary of Quantities

Code Order

ROUTE		SECTION	COUNTY	SHEET	
VAR		D4 BRIDGE PAINTING 2009	VARIOUS	TOTAL	NO.
VAR				12	3
			CONTRACT NO.	68843	

## CONSTRUCTION TYPE CODE

100% STATE  
SFTY-2A  
TAZEWELL

CODE No.	ITEM	UNIT	Tot.QTY		
50600600	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1	
50600700	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1	1	
50600800	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1	1	
50606401	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO.1	L SUM	1	1	
50606402	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO.2	L SUM	1	1	
67100100	MOBILIZATION	L SUM	1	1	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	2	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1	
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1	

# Summary of Quantities

Code Order

ROUTE		SECTION	COUNTY	SHEET	
VAR		D4 BRIDGE PAINTING 2009	VARIOUS	TOTAL	NO.
VAR				12	4
			CONTRACT NO.	68843	

## CONSTRUCTION TYPE CODE

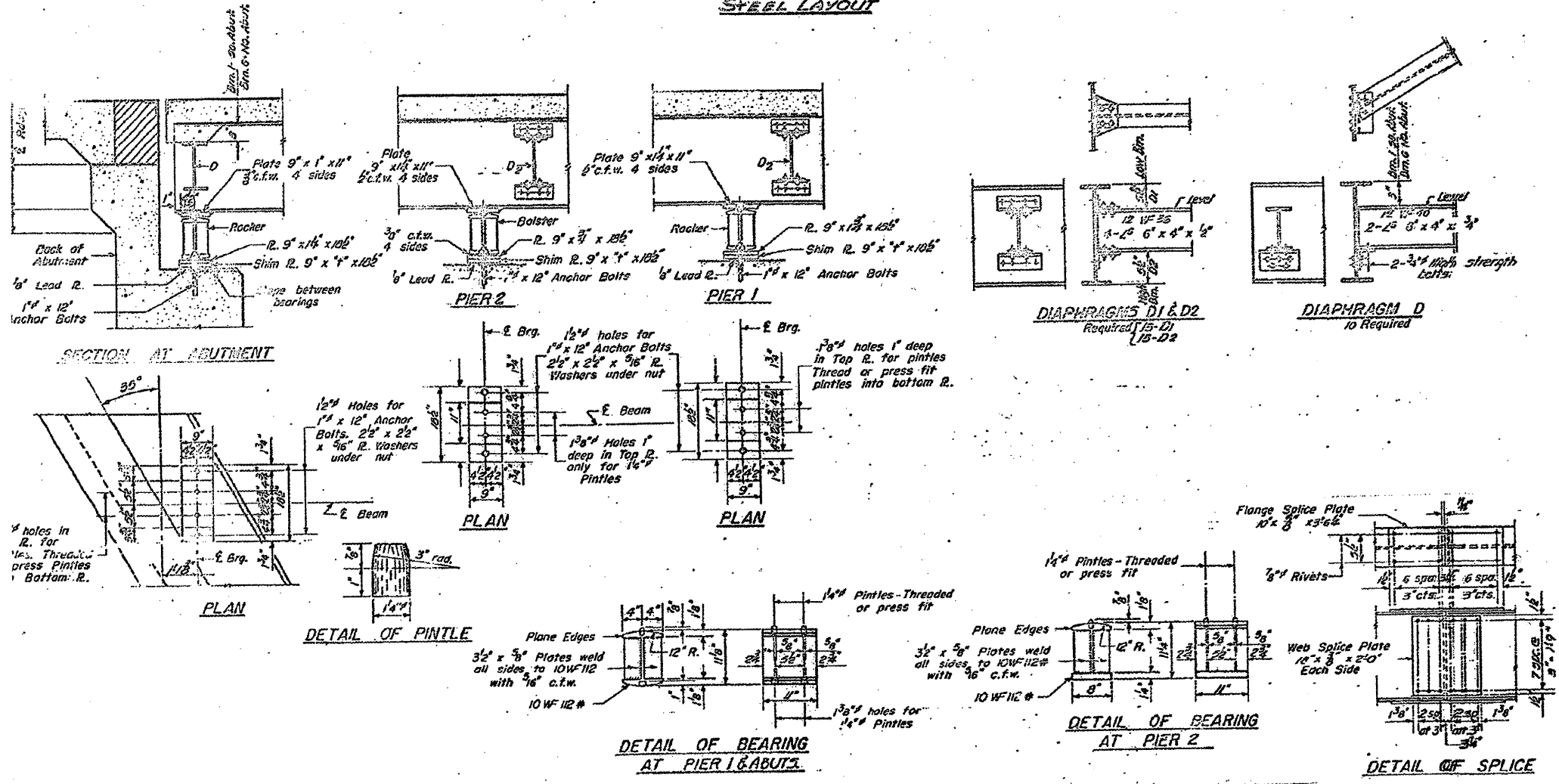
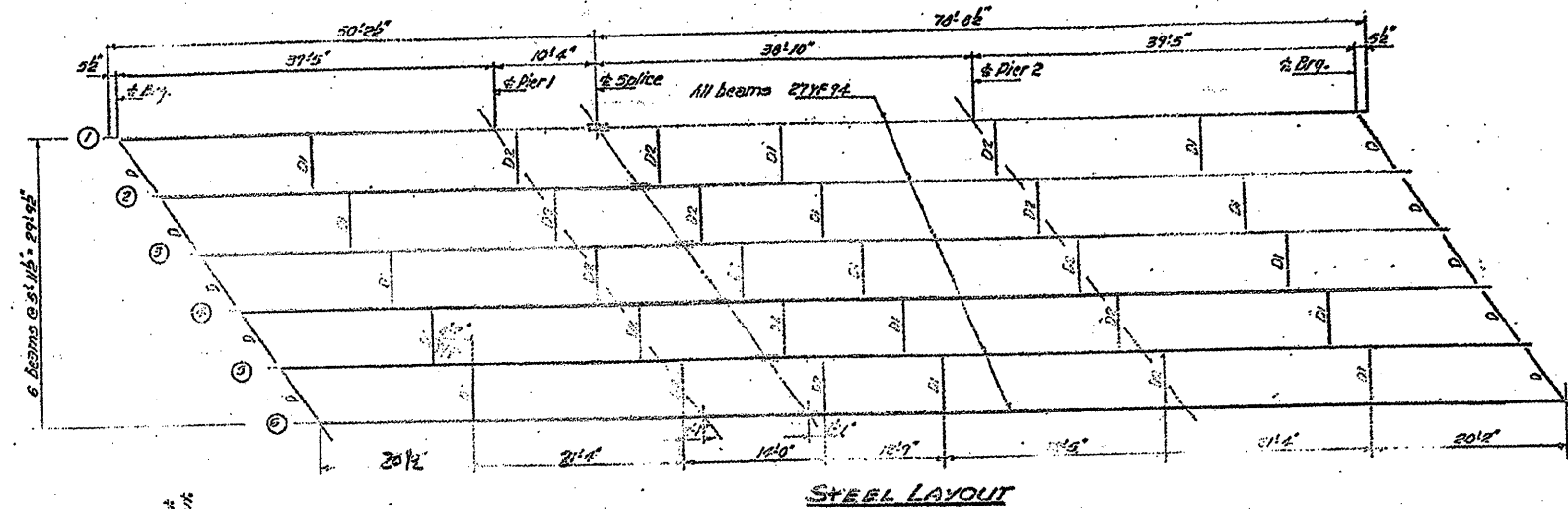
100% STATE SFTY-2A	
TAZEWELL	

CODE No.	ITEM	UNIT	Tot.QTY		
70100805	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	L SUM	1	1	
X0323984	PORTABLE TEMPORARY BARRIER SYSTEM	FOOT	300	300	
X0323985	RELOCATE PORTABLE TEMPORARY BARRIER SYSTEM	FOOT	1776	1776	
X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO.1	L SUM	1	1	
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	15	15	



**INFORMATION ONLY**  
**ALL BEAMS 27 WF 94**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D4 BRIDGE PAINTING 09	TAZEWELL	12	6



090-0053

**FRAMING  
 DETAIL**

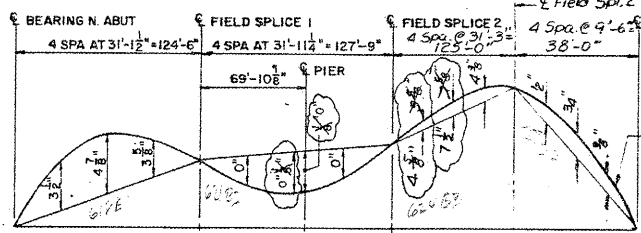
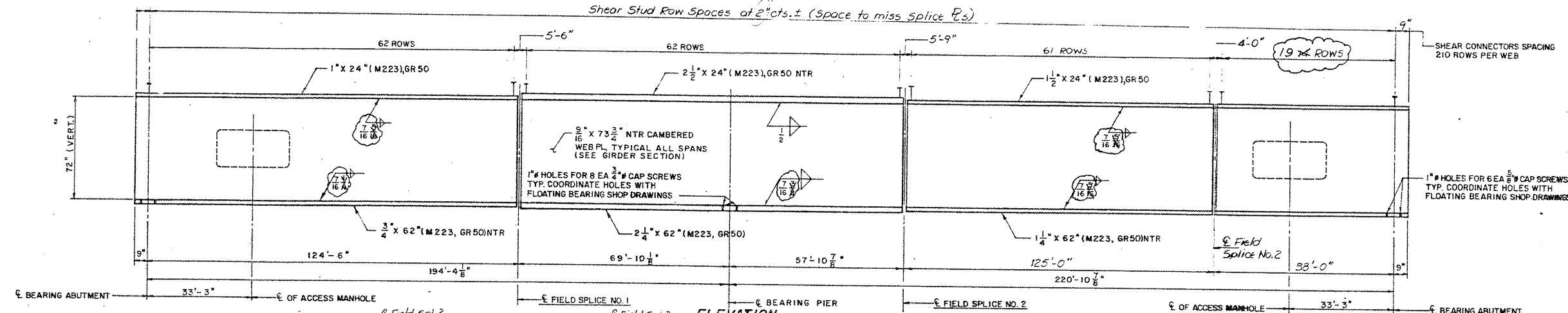


# INFORMATION ONLY

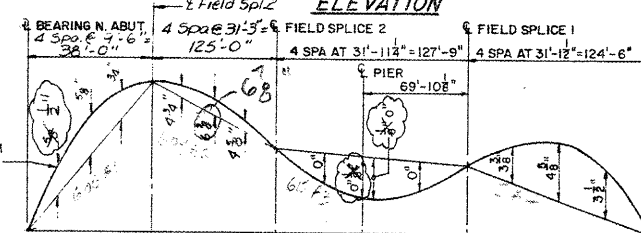
## TWIN 72" WEB, 3 SIDED BOX GIRDER TO BE PAINTED

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D4 BRIDGE PAINTING 09	TAZEWELL	12	7a

ROUTE NO.	SECTION	COUNTY	TOTAL SHEET	SHEET NO.	SHEET NO. (84)
F.A.P. 406 90-(106X)HB-2	TAZEWELL	ILLINOIS	237	(85A)	SHEETS 20
F.H.W.A. REG. 4	ILLINOIS PROJECT				*F406 ( )



**CAMBER DIAGRAM**  
(WEST GIRDER)

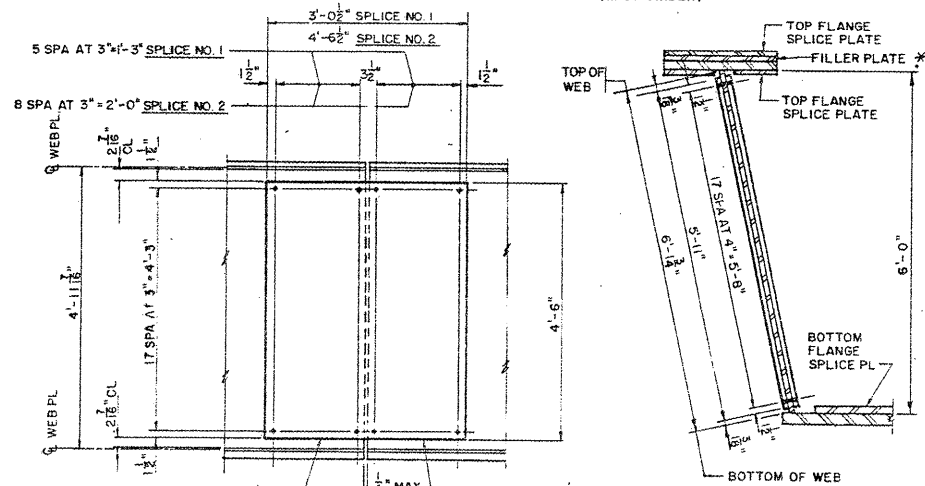


**CAMBER DIAGRAM**  
(EAST GIRDER)

NOTE: CAMBER DIAGRAMS INCLUDE EFFECTS OF VERTICAL CURVE AND DEAD LOAD NON COMPOSITE DEFLECTIONS.

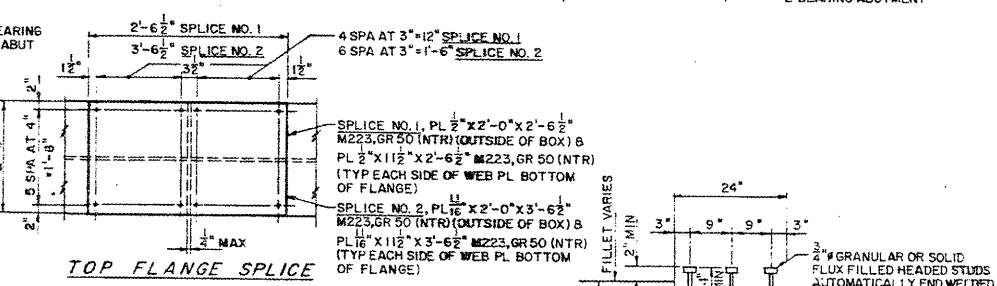
**TOP OF WEB ELEVATIONS**  
(FOR FABRICATION ONLY)

GIRDER	EAST BOX GIRDER	WEST BOX GIRDER
LOCATION	E WEBS	W WEBS
E BRG. AT N. ABUT	715.65	715.45
E N. FIELD SPLICE	717.58	717.04
E BRG. AT PIER	(717.29 717.30)	(717.12 717.11)
E S. FIELD SPLICE	716.57	717.17
E BRG. AT S. ABUT	714.90	714.62
E Splice in Long Spans	(716.62 716.59)	(715.70 715.71)

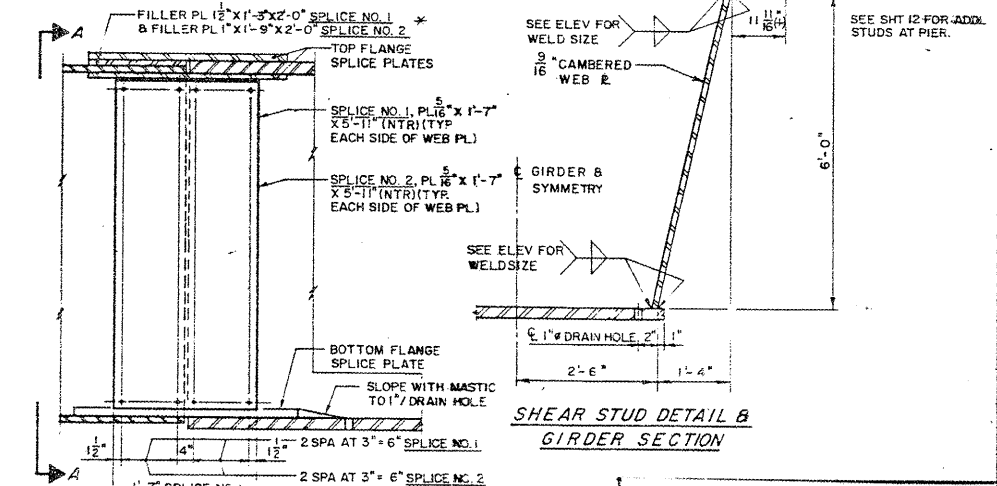


**BOTTOM FLANGE SPLICE PLAN VIEW**

**VIEW A-A**



**TOP FLANGE SPLICE**



**WEB SPLICE**

**SHEAR STUD DETAIL & GIRDER SECTION**

DESIGNED	JFJ
CHECKED	WCC
DRAWN	DEH
CHECKED	WCC

\* Omit Filler in Splice near Abut.

AS REVISED

NOTE: ALL SPLICE BOLTS ARE 5/8" H.S. BOLTS IN 15/16" HOLES  
NTR = NOTCH TOUGHNESS REQUIREMENT-ZONE 2.

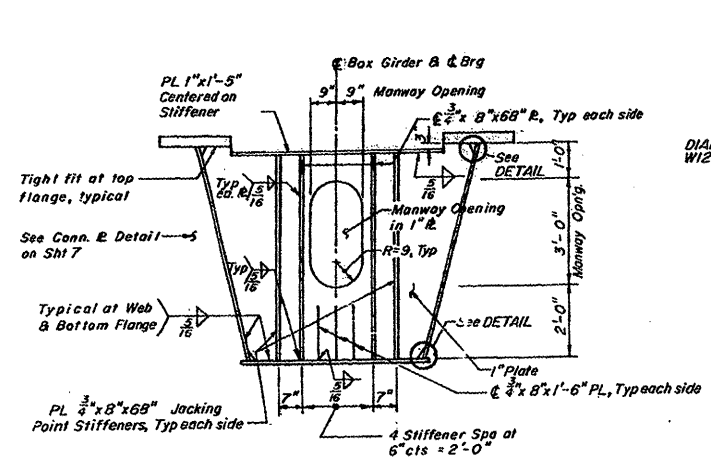
## ELEVATION & PLAN VIEW





**INFORMATION ONLY**  
**TWIN 72" WEB, 3 SIDED BOX GIRDER TO BE PAINTED**

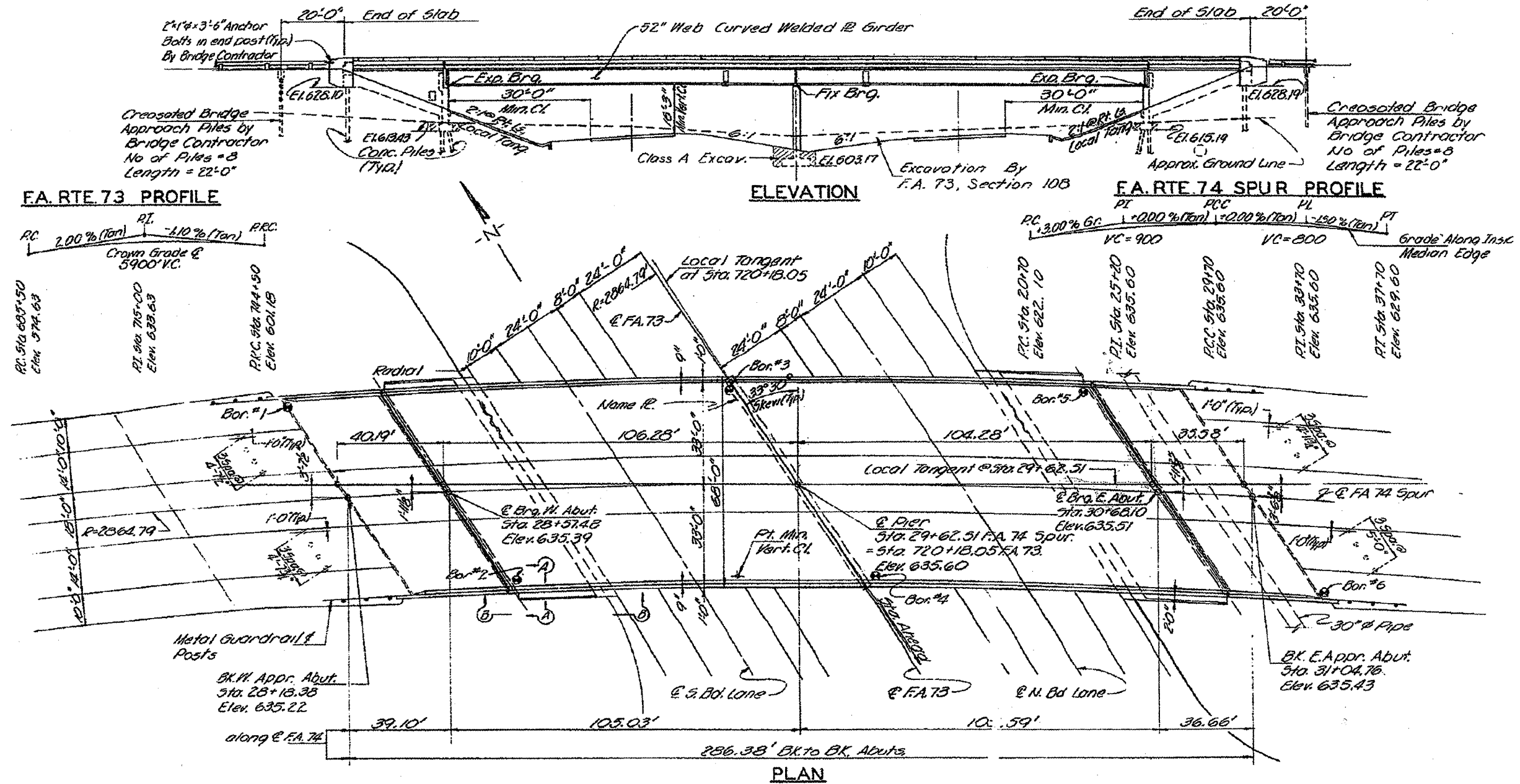
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D4 BRIDGE PAINTING 09	TAZEWELL	12	8





**INFORMATION ONLY**  
**ALL GIRDERS 52" / 18" FLANGES**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D4 BRIDGE PAINTING 09	TAZEWELL	12	10

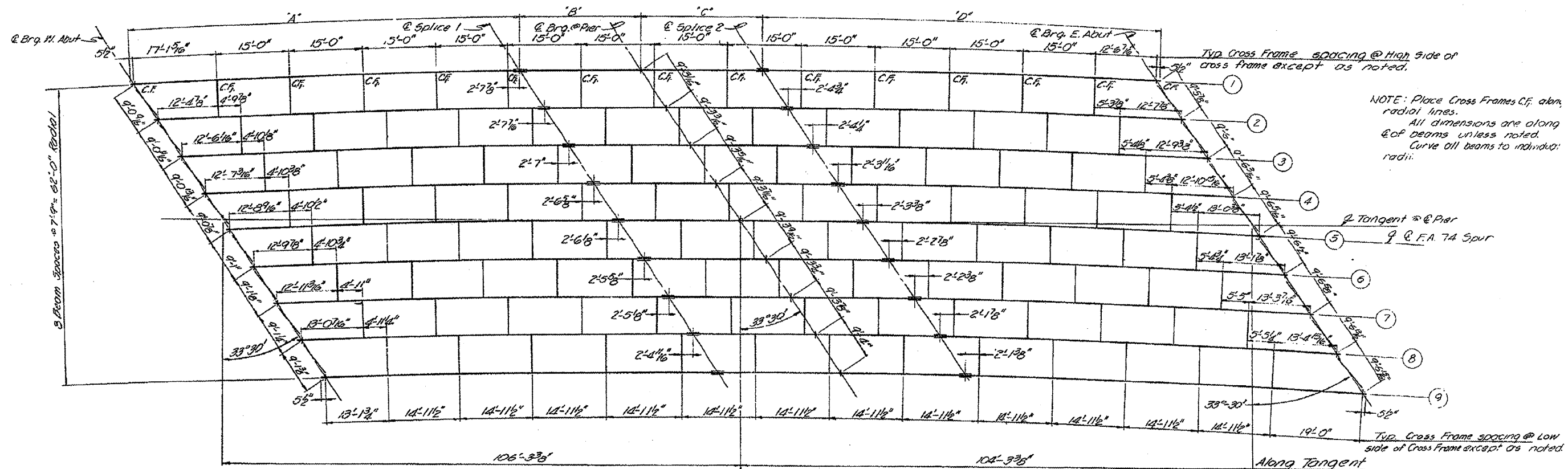


090-0095 LOCATION 2

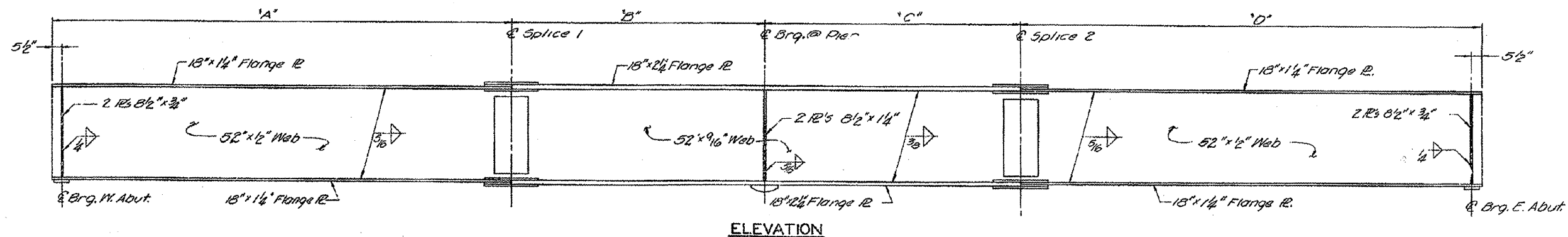
**ELEVATION & PLAN VIEW**

**INFORMATION ONLY**  
**ALL GIRDERS 52"/18" FLANGES**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D4 BRIDGE PAINTING 09	TAZEWELL	12	11



**FRAMING PLAN**



**ELEVATION**

090-0095

**FRAMING  
 DETAIL**

