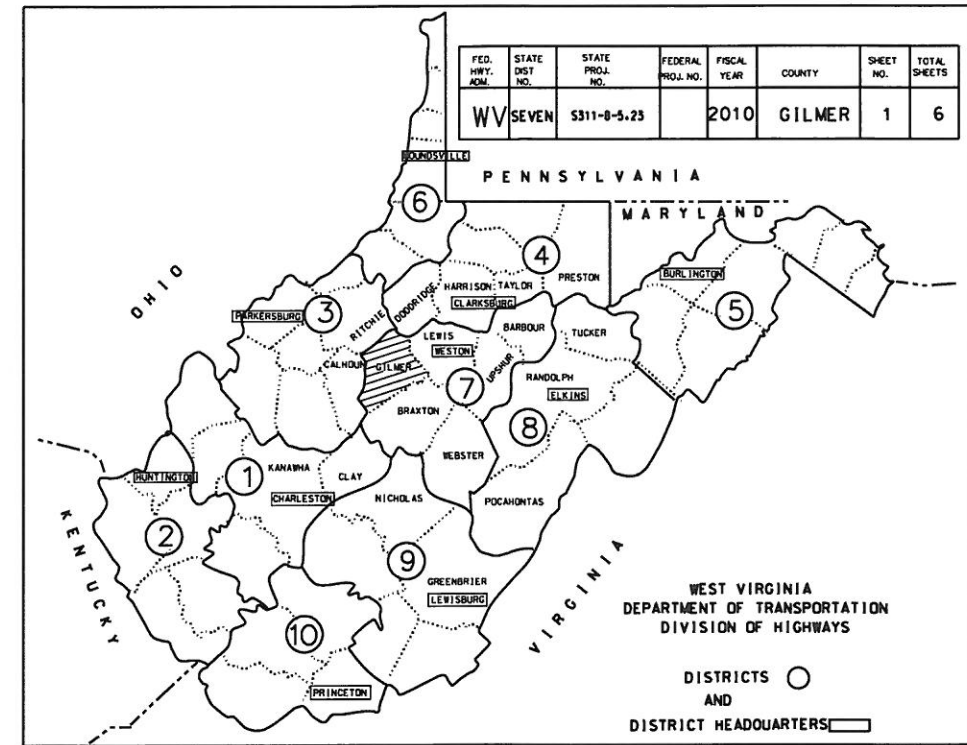


# WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS SUPERSTRUCTURE REPLACEMENT OF BEAR FORK I-BEAM STATE PROJECT NO. S311-8-5.23 C.R. 8 (SLS) FREEMANS CREEK DISTRICT GILMER COUNTY

PROJECT LENGTH

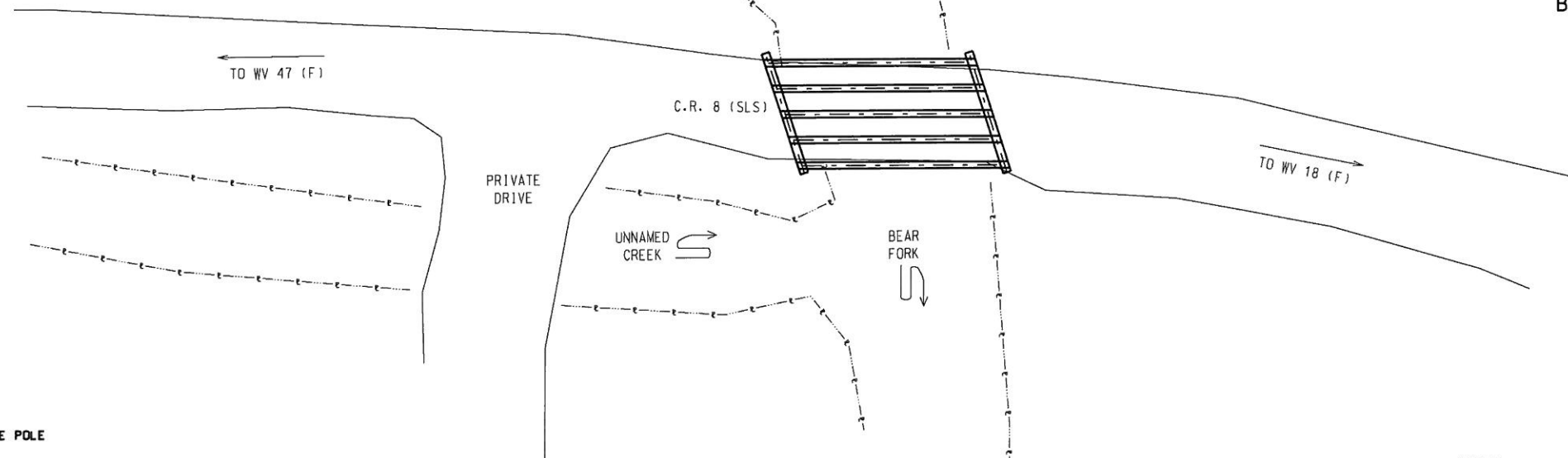
BRIDGE STA. 0+00.00 TO STA. 0+26.94 = 26.94 L.F. = 0.005 MI.

TOTAL LENGTH = 26.94 L.F. = 0.005 MI.



### UTILITIES ENCOUNTERED:

CONVENTIONAL SIGNS	
	STATE LINE
	COUNTY LINE
	CORPORATION LINE
	PROPOSED R/W LINE
	PROPERTY LINE
	EXISTING FENCE
	DITCH
	EDGE OF STREAM
	PROPOSED GUARDRAIL
	EXISTING GUARDRAIL
	RAILROAD
	GAS LINE
	WATER LINE
	TELEPHONE LINE
	ELECTRIC LINE
	TELEPHONE POLE
	POWER POLE
	COMBINED POWER AND TELEPHONE POLE
	TREE
	SHRUB
	RIGHT OF WAY MARKER



### TYPE OF CONSTRUCTION

SUPERSTRUCTURE REPLACEMENT  
BR. NO. 11-8-5.23  
(7917.1)

### INDEX TO SHEETS

NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES
3	EXISTING ELEVATION VIEW AND DECK SECTION, ESTIMATE OF QUANTITIES, AND SCOPE OF WORK.
4	PROPOSED DECK SECTION, STEEL LAYOUT, AND BEARING DETAILS.
5	ELEVATION VIEW, ABUT. DETAILS, AND DIAPHRAGM DETAILS.
6	NAILING DIAGRAM AND DECK CLIP DETAILS.

### NOTE:

STANDARD DETAIL BOOK VOLUME 1, DATED JAN. 1, 2000 & VOLUME 11 DATED JAN. 1, 1994, SHALL APPLY TO THIS PROJECT.

DESIGN DESIGNATION	
A.D.T. (2006)	50
A.D.T. (2026)	60
D.H.V.	
D.	
T.	
V.	

NO.	DATE
BR-2A	8-93

PREPARED BY:	BKR	DATE	05-10
CHECKED BY:	GFL	DATE	06-10
REVIEWED BY:	WRW	DATE	06-10

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

I HEREBY CERTIFY THAT THIS IS A CORRECT COPY OF THE PLANS OF PROJECT S311-8-5.23

RECOMMENDED	DESIGNER
RECOMMENDED FOR APPROVAL	DISTRICT MANAGER
RECOMMENDED FOR APPROVAL	STATE HIGHWAY ENGINEER
APPROVED	COMMISSIONER OF HIGHWAYS

EXECUTIVE SECRETARY



PROJECT NUMBERS		WV DISTRICT	COUNTY	SHEET	OF
FEDERAL	STATE				
	S311-8-5.23	SEVEN	GILMER	3	6

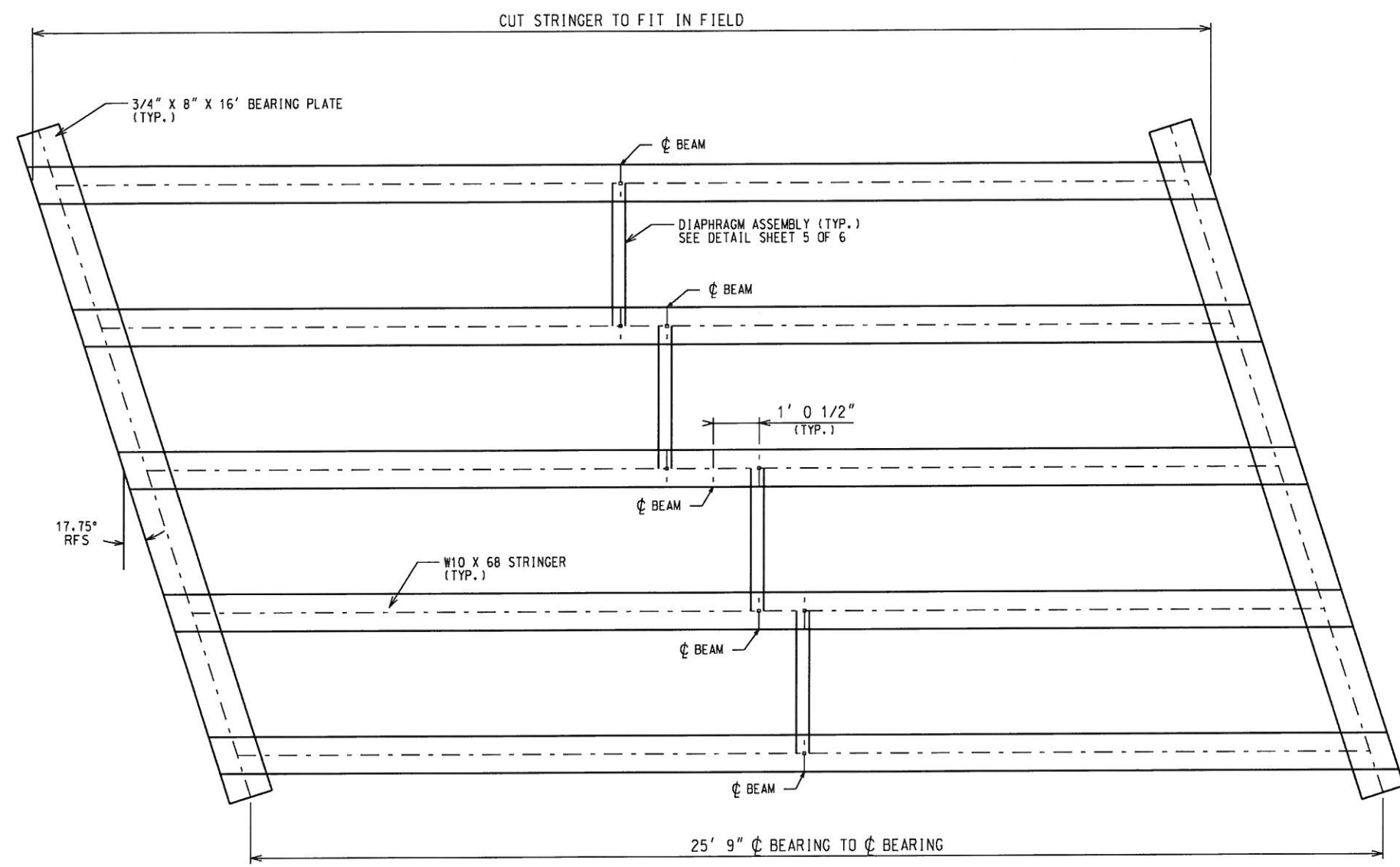
ESTIMATE OF QUANTITIES			
PROJECT NO. S311-8-5.23 FOR INFORMATION ONLY			
DESCRIPTION	UNITS	NO. AND SIZE	TOTAL
DECK TIMBER	EA	2" X 6" X 18'	210
TIMBER CURB	EA	6" X 6" X 12'	2
TIMBER CURB	EA	6" X 6" X 10'	4
TIMBER BLOCKOUT	EA	4" X 6" X 16'	1
NAILS	LB	20 PENNY	100
NAILING CLIPS	EA	TF-3/4"	135
*STRINGERS	LB	5-W10 X 68 X 30'	10200
*BEARING PLATES	LB	2-3/4" X 8" X 16'	654
*BACKWALL PLATES	LB	2-3/4" X 2' 6" X 20'	3063
*DIAPHRAGM ASSEMBLIES	LB	4-EA	185
*BEARING ANCHOR PLATE	EA	5" X 5" X 3/4"	4
STONE	TON		20
GABION BASKET	EA	3' X 3' X 6'	4
GABION STONE	TON		16
3/4" X 2" HIGH STRENGTH BOLTS W/NUT	EA	W/NUT AND WASHER	16
GALVANIZED ALL THREAD BARS W/DOUBLE NUTS & WASHERS	EA	1" X 18" LONG	4
#8 REBAR	EA	1' LONG	4

**⚠** \* -ALL STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A572 GRADE 50 AND SHALL BE HOT DIPPED GALVANIZED AND FABRICATED AS SHOWN ON SHEETS 4 AND 5 OF 6. GALVANIZING SHALL CONFORM TO ASTM A123 EXCEPT BOLTS AND NUTS WHICH SHALL CONFORM TO ASTM A153.

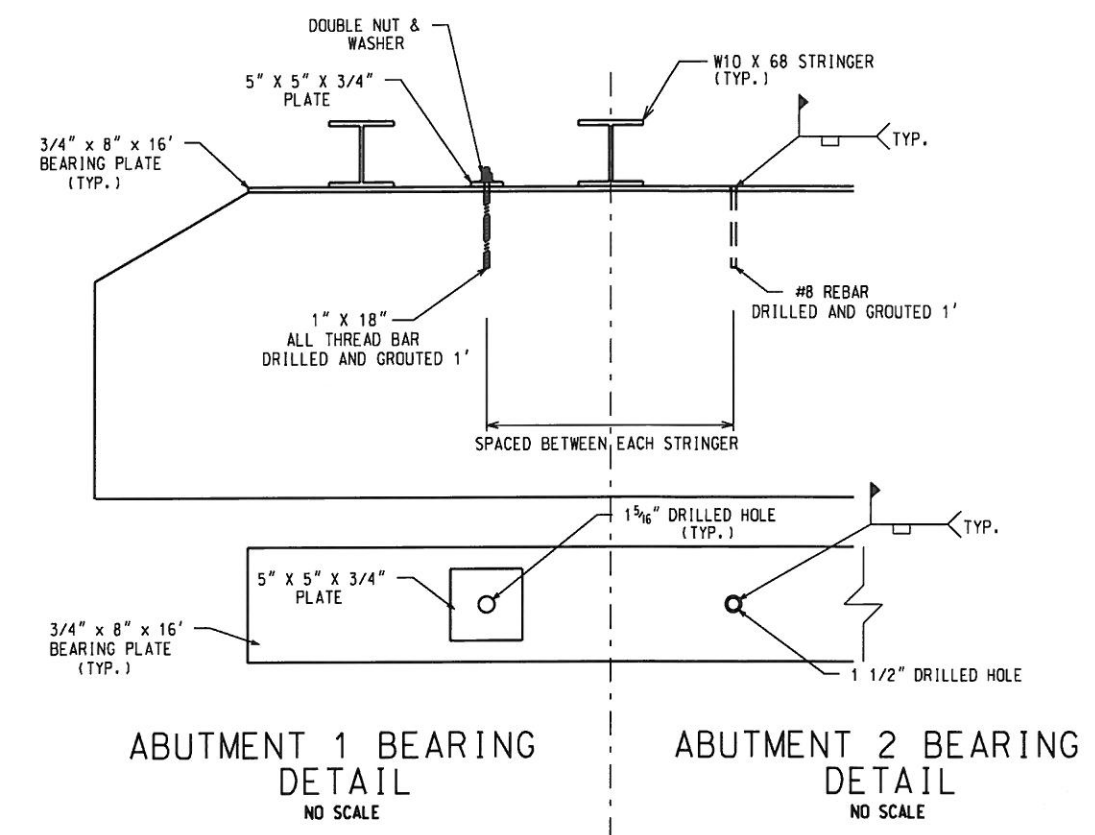
**SCOPE OF WORK**

1. REMOVE EXISTING DECK AND SUPERSTRUCTURE.
2. PLACE AND WELD NEW STRINGERS AND BACKWALL PLATES.
3. PLACE NEW TIMBER DECK.
4. REPAIR SHOULDERS AND APPROACHES.
5. SITE DRESS, SEED, AND MULCH ALL DISTURBED AREAS.

			<b>WEST VIRGINIA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT SEVEN</b>	
<b>⚠</b>	1/1	RMW	SUPERSTRUCTURE REPLACEMENT PLANS OF BEAR FORK W-BEAM ON C.R. 8 (SLS) OVER BEAR FORK GILMER COUNTY	
DESIGNED BY:	DATE:	BY:		
BKR	05-10			
DRAWN BY:	DATE:	BY:		
BKR	05-10			
CHECKED BY:	DATE:	BY:		
GFL	06-10			
CHECKED BY:	DATE:	BY:		
WRW	06-10			
			EXISTING ELEVATION AND END VIEW, ESTIMATE OF QUANTITIES, & SCOPE OF WORK.	SHEET 3 OF 6 11-8-5.23 7917.1

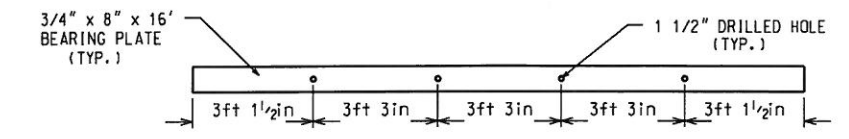


STEEL LAYOUT  
NO SCALE

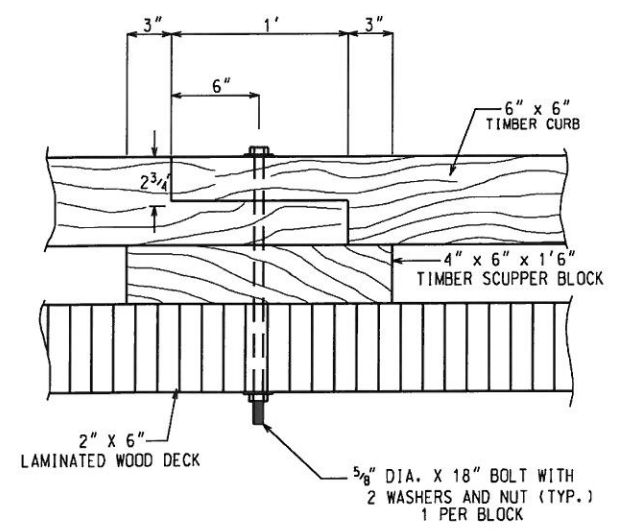


ABUTMENT 1 BEARING DETAIL  
NO SCALE

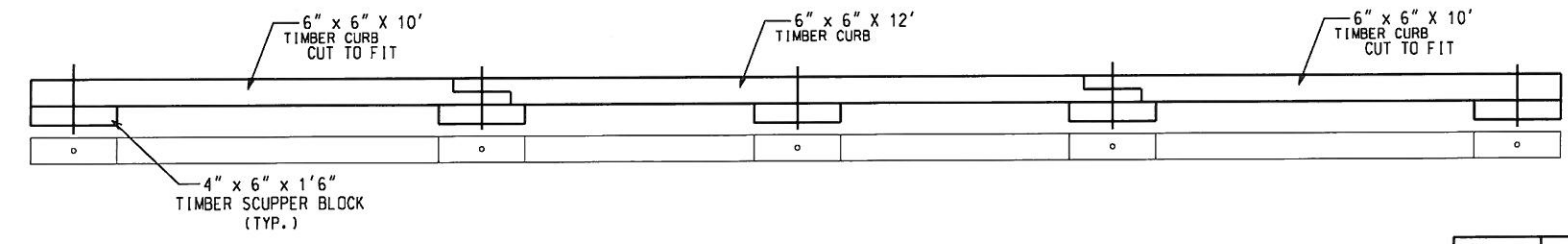
ABUTMENT 2 BEARING DETAIL  
NO SCALE



ABUTMENT BEARING PLATE DETAIL



CURB SPLICE DETAIL A  
NO SCALE

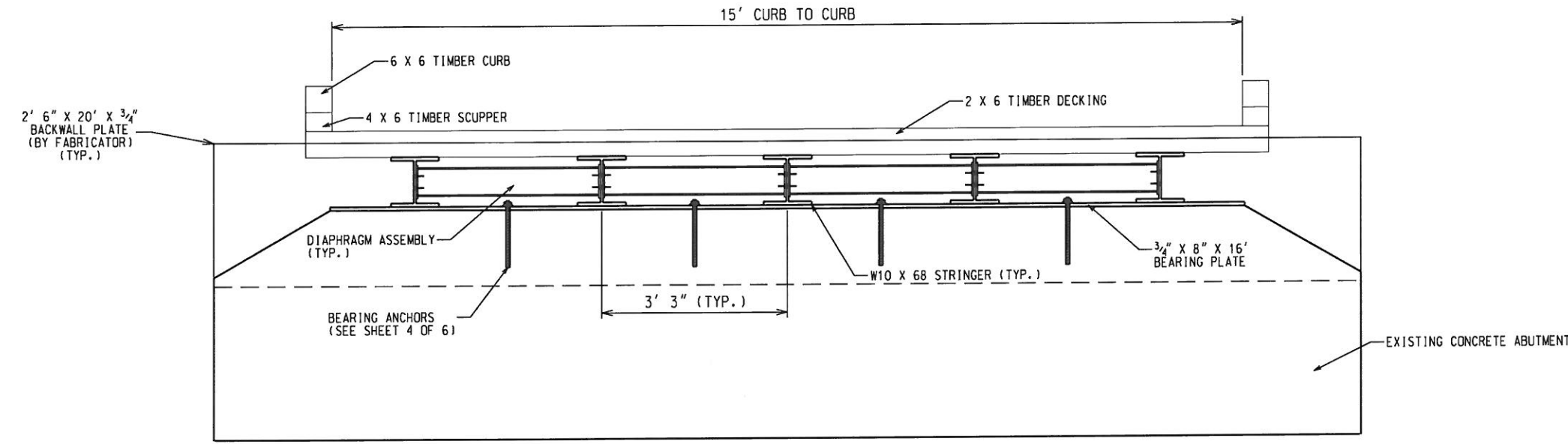


CURB LAYOUT  
NO SCALE

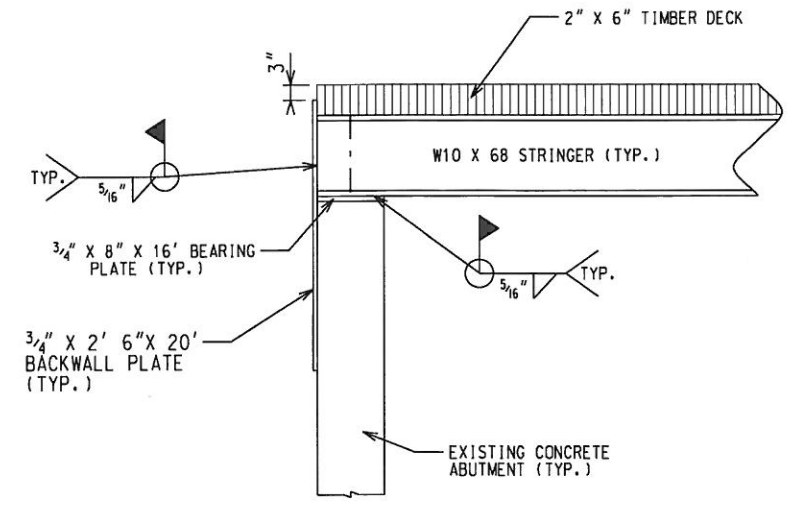
WEST VIRGINIA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT SEVEN	
SUPERSTRUCTURE REPLACEMENT PLANS OF BEAR FORK W-BEAM BRIDGE OVER BEAR FORK GILMER COUNTY	
DESIGNED BY: BKR	DATE: 6-10
DRAWN BY: BKR	DATE: 6-10
CHECKED BY: GFL	DATE: 06-10
CHECKED BY:	
REVIEWED BY: WRW	DATE: 06-10

STEEL LAYOUT, CURB DETAIL, BEARING DETAIL	SHEET 4 OF 6
	BR. NO. 11-8-5.23 (7917.11)

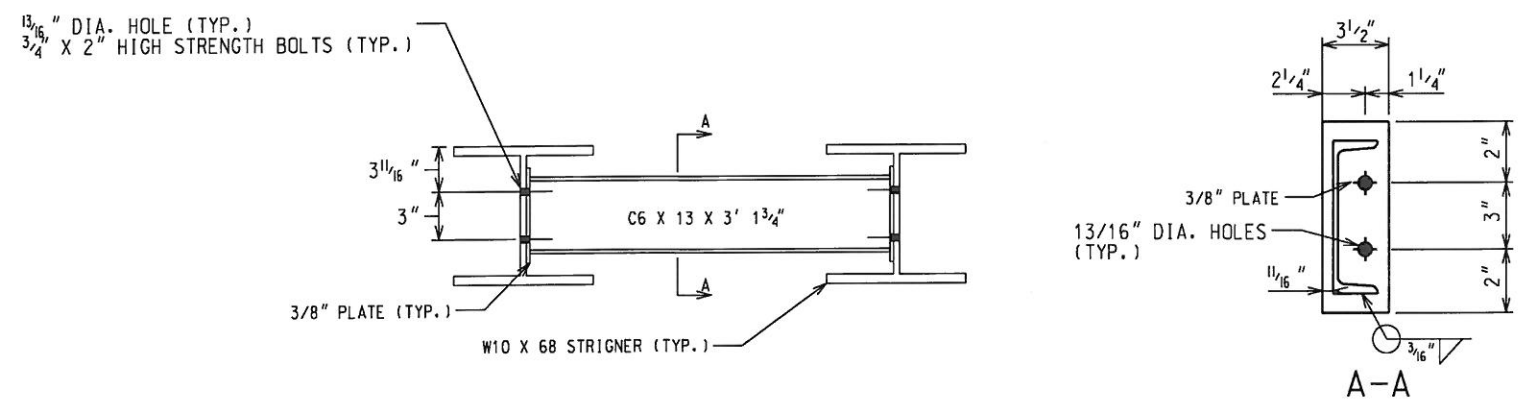
PROJECT NUMBERS		WV	COUNTY	SHEET	OF
FEDERAL	STATE	DISTRICT	GILMER	5	6
	S311-8-5.23	SEVEN			



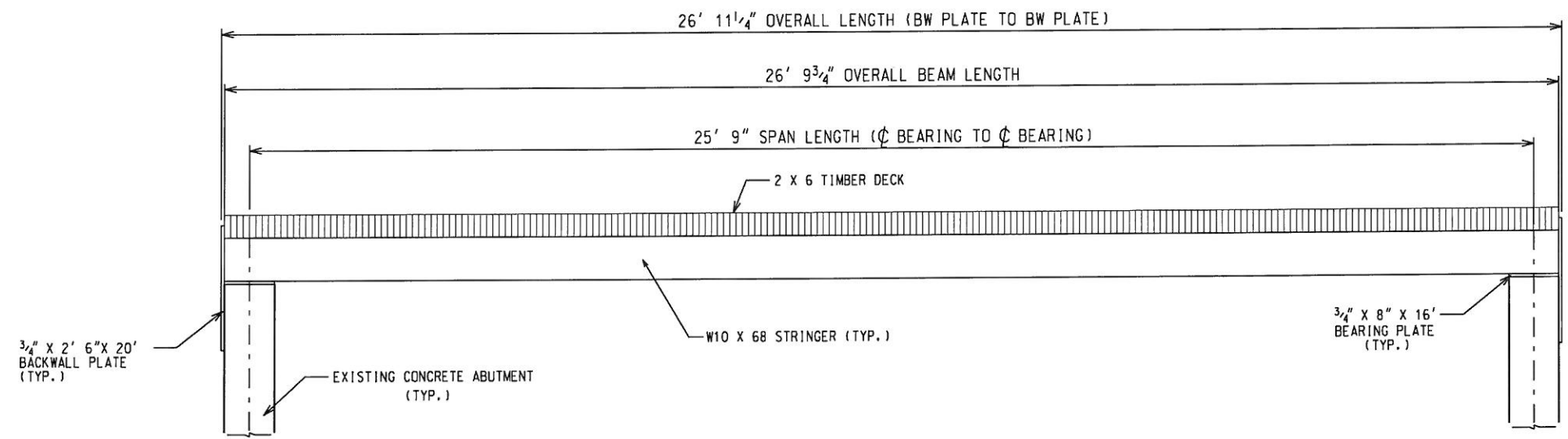
TYPICAL ABUTMENT DETAIL  
NO SCALE



PROFILE WELD DETAIL  
NO SCALE

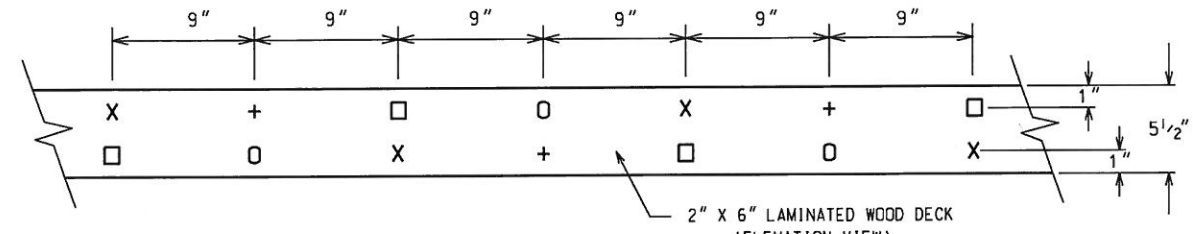


DIAPHRAGM ASSEMBLY DETAIL  
NO SCALE



ELEVATION VIEW  
NO SCALE

		<b>WEST VIRGINIA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT SEVEN</b>	
		SUPERSTRUCTURE REPLACEMENT PLANS OF BEAR FORK W-BEAM BRIDGE OVER BEAR FORK GILMER COUNTY	
DESIGNED BY:	DATE:	ELEVATION VIEW, ABUT. DETAILS, DIAPHRAGM DETAILS, & WELD DETAILS.	SHEET 5 OF 6
BKR	05-10		
DRAWN BY:	DATE:		
BKR	05-10		
CHECKED BY:	DATE:		
GFL	06-10	BR. NO. 11-8-5.23	
CHECKED BY:	DATE:	(7917.11)	
WRW	06-10		

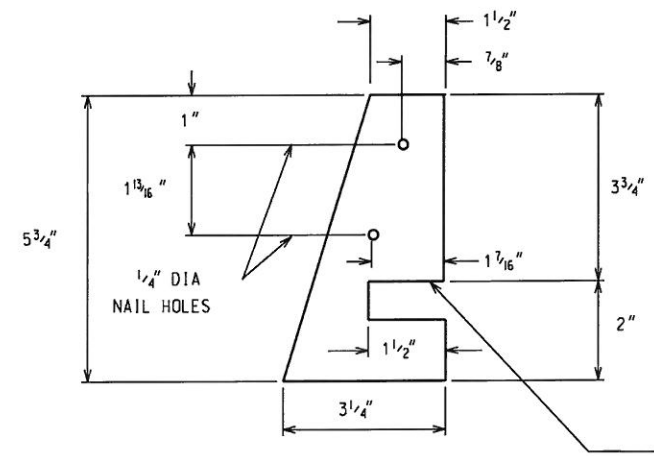


NAIL LOCATION	1ST PIECE OF WOOD	+
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"

NOTE: ALL NAILS FOR BRIDGE DECK SHALL BE 20 PENNY WEIGHT.

### TIMBER DECK NAILING DIAGRAM

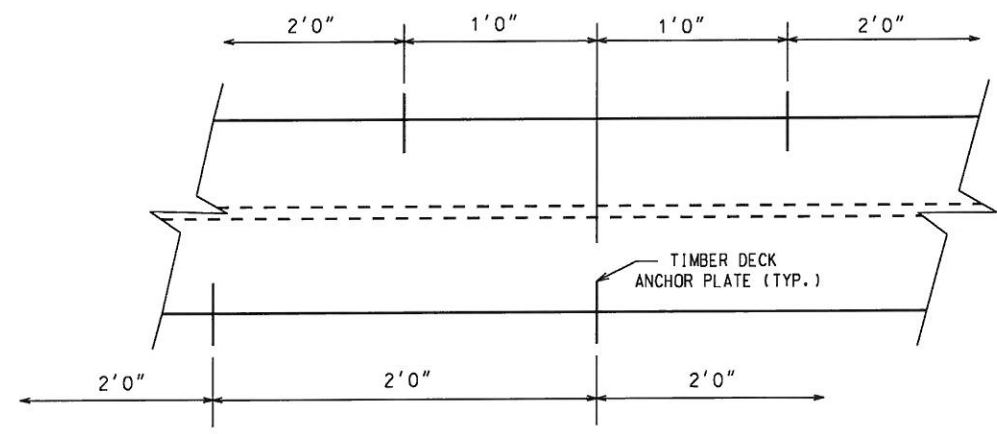
NO SCALE



SLOT FOR TIGHT FIT ON FLANGE OF STRINGER  
W10X68 FLANGE THICKNESS = 3/4" - 135 pcs

### DECK ANCHOR PLATE DETAILS

NO SCALE



STRINGER FLANGE

NOTE: ALL ANCHOR PLATES ON EXTERIOR STRINGERS SHALL BE PLACED ON INTERIOR FLANGE SPACED @ 1'0" c-c.

### DECK ANCHOR PLATE SPACING DETAIL

(INTERIOR STRINGER)

NO SCALE

WEST VIRGINIA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT SEVEN		
SUPERSTRUCTURE REPLACEMENT PLANS OF BEAR FORK W-BEAM ON C.R. 8 (SLS) OVER BEAR FORK GILMER COUNTY		
DESIGNED BY: BKR	DATE: 05-10	SHEET 6 OF 6 BR.NO.11-8-5.23 (7917.1)
DRAWN BY: BKR	DATE: 05-10	
CHECKED BY: GFL	DATE: 06-10	
CHECKED BY:		
REVIEWED BY: WRW	DATE: 06-10	
NAILING AND DECK ANCHOR DETAILS		