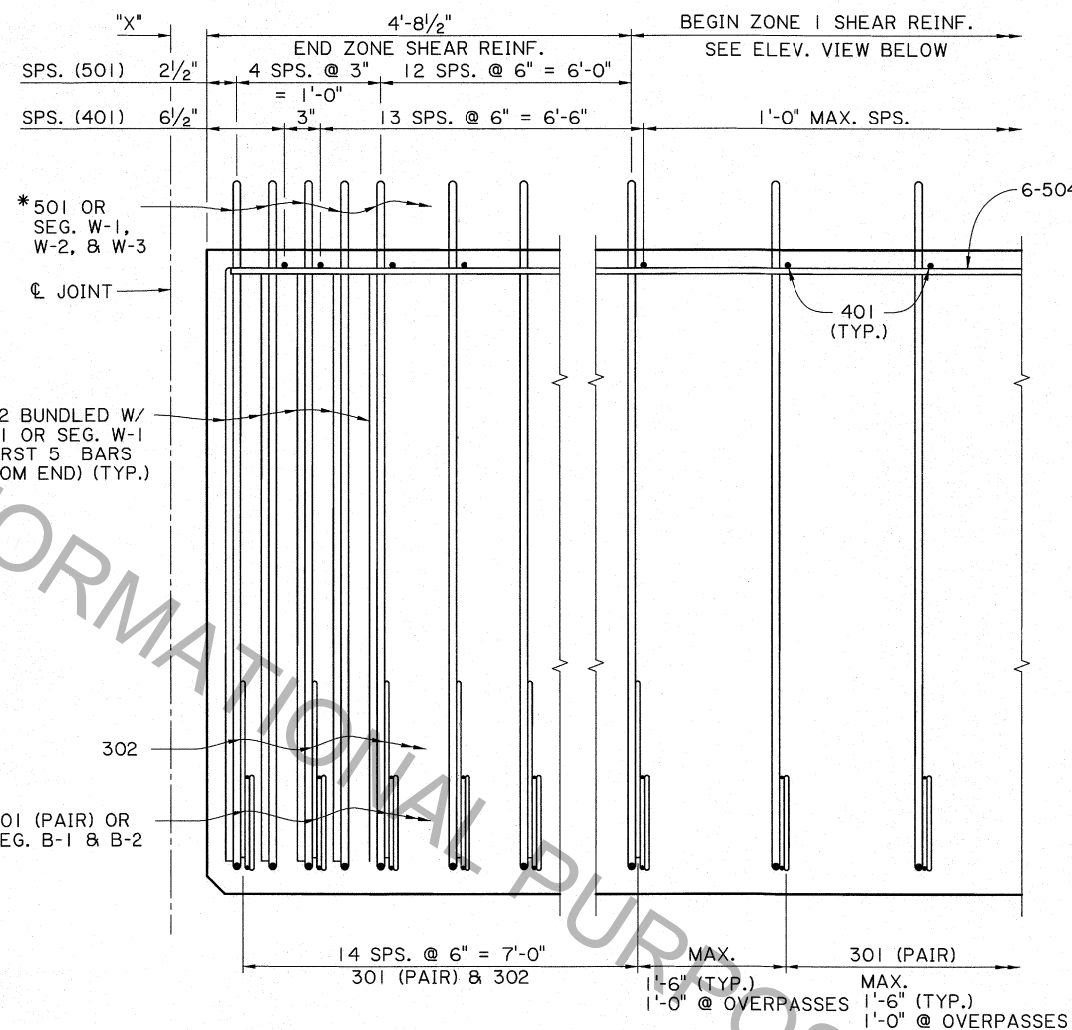
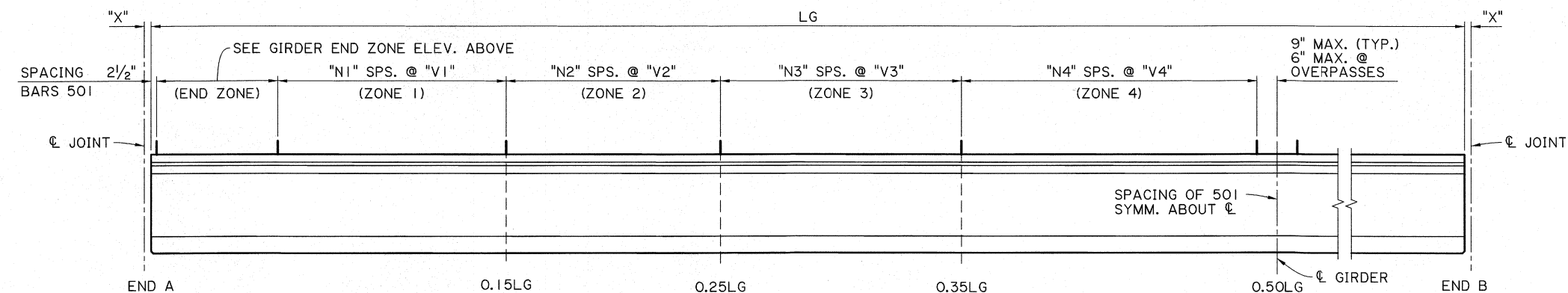


**GIRDER END SECTION**



**ELEVATION OF GIRDER END ZONE**  
(FLANGE LINES NOT SHOWN FOR CLARITY)



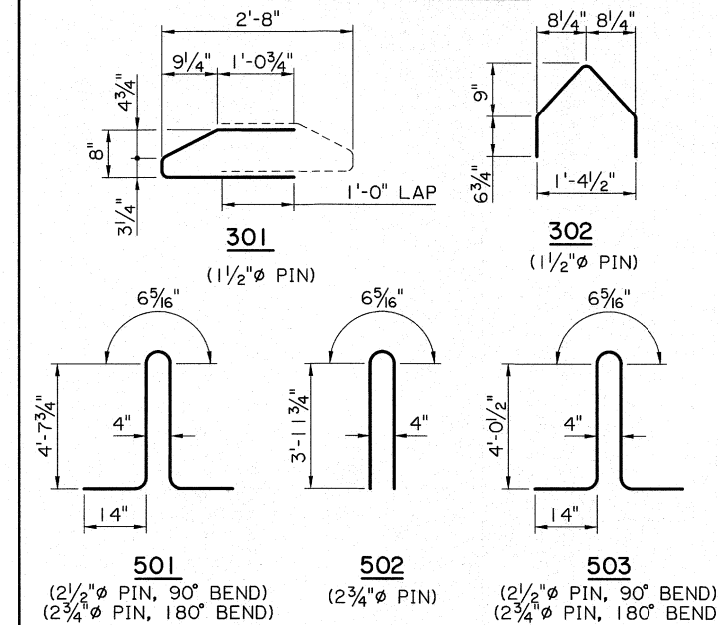
**GIRDER ELEVATION**  
(N.T.S.)

**LIST OF CONVENTIONAL REINFORCEMENT**

BAR	NO.	UNIT LENGTH	LOCATION
501	VARIES	12'-2"	STIRRUP
502	10	8'-6"	STIRRUP (BUNDLE W/ 501)
503	VARIES	10'-11"	STIRRUP (ALT. FOR 501)
504	6	LG LESS 4"	TOP FLANGE LONG. REINF.
401	VARIES	3'-8"	TOP FLANGE TRANS. REINF.
301	VARIES	4'-0"	CONFINEMENT REINF.
302	30	3'-2"	CONFINEMENT REINF.

\* Δ UNIT LENGTH SHOWN DOES NOT INCLUDE LAPS FOR CONTINUOUS REINFORCEMENT. FOR UNIT LENGTH OVER 60 FT., ADD 2'-0" FOR EACH LAP SPLICE.

**BENDING DIAGRAMS**



**NOTES:**

- SEE SHEET 1 OF LG GIRDER COMMON DETAILS FOR GENERAL NOTES AND DEFINITIONS.
- SEE SHEET 2 OF 2 FOR DETAILS OF WWR TO REPLACE CONVENTIONAL REINFORCEMENT.
- CONVENTIONAL REINFORCING BARS 302 & 502 SHALL NOT BE REPLACED WITH WWR.
- AT THE CONTRACTOR'S EXPENSE, THE PAIR OF BARS 301 MAY BE FABRICATED AS A SINGLE BAR WITH A 1'-0" MINIMUM LAP.
- \* AT GIRDER ENDS WHERE AN EXPANSION JOINT ASSEMBLY IS REQUIRED, SUBSTITUTE 503 BARS FOR THE FIRST (3) 501 BARS. SEE LG COMMON DETAILS (SHT. 11 OF 11) FOR EXPANSION JOINT ANCHOR BOLT DETAIL.

SHEET NUMBER --

DESIGNED Z. LIANG  
CHECKED B. KEVER  
REVIEWED Z. Z. FU

PARISH CONTROL SECTION  
STATE PROJECT

BY  
DATE

REVISION OR CHANGE ORDER DESCRIPTION

NO.

LA  
REINFORCEMENT  
CONVENTIONAL REINFORCEMENT  
LG-54

BD.2.2.4.5.01

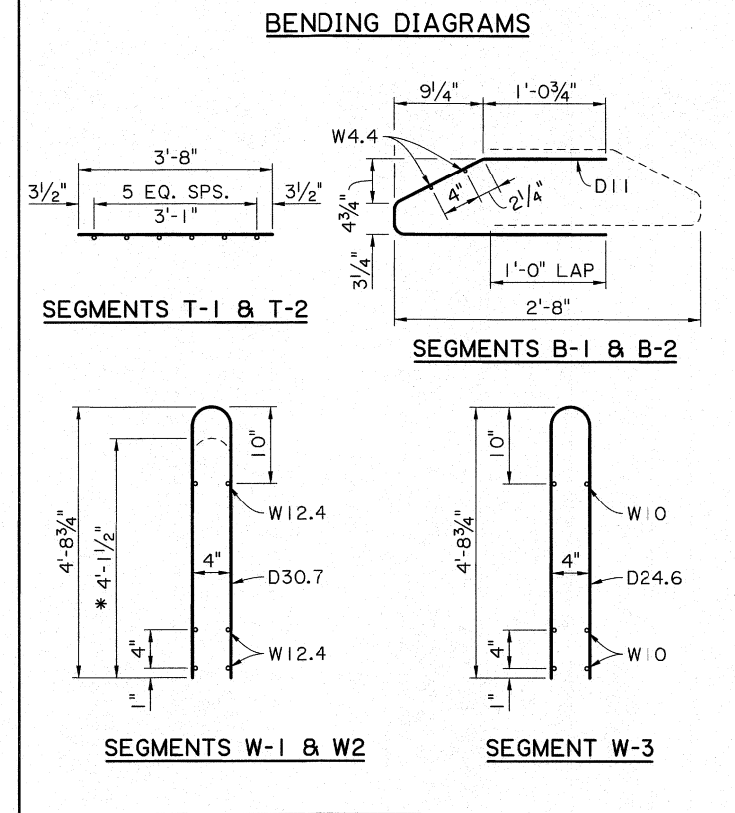
DOTD BRIDGE DESIGN

ZHENGZHENG FU  
License No. 26814  
PROFESSIONAL ENGINEER  
IN  
CIVIL ENGINEERING  
7/19/18

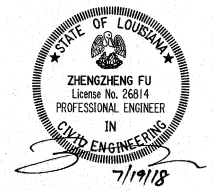
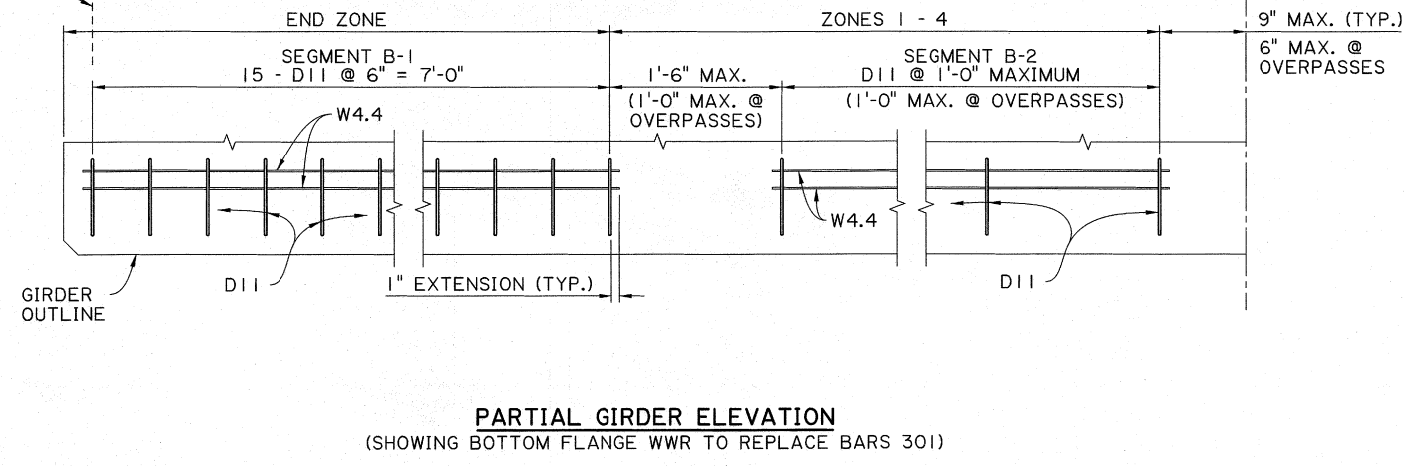
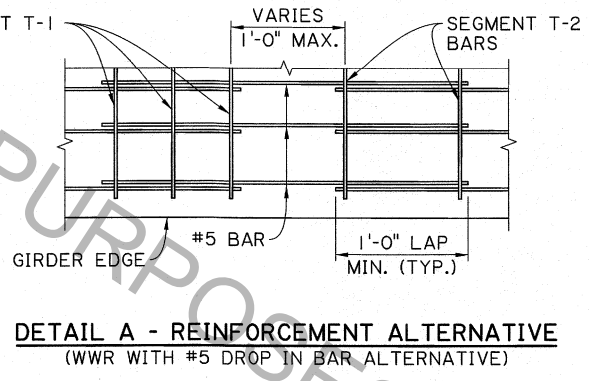
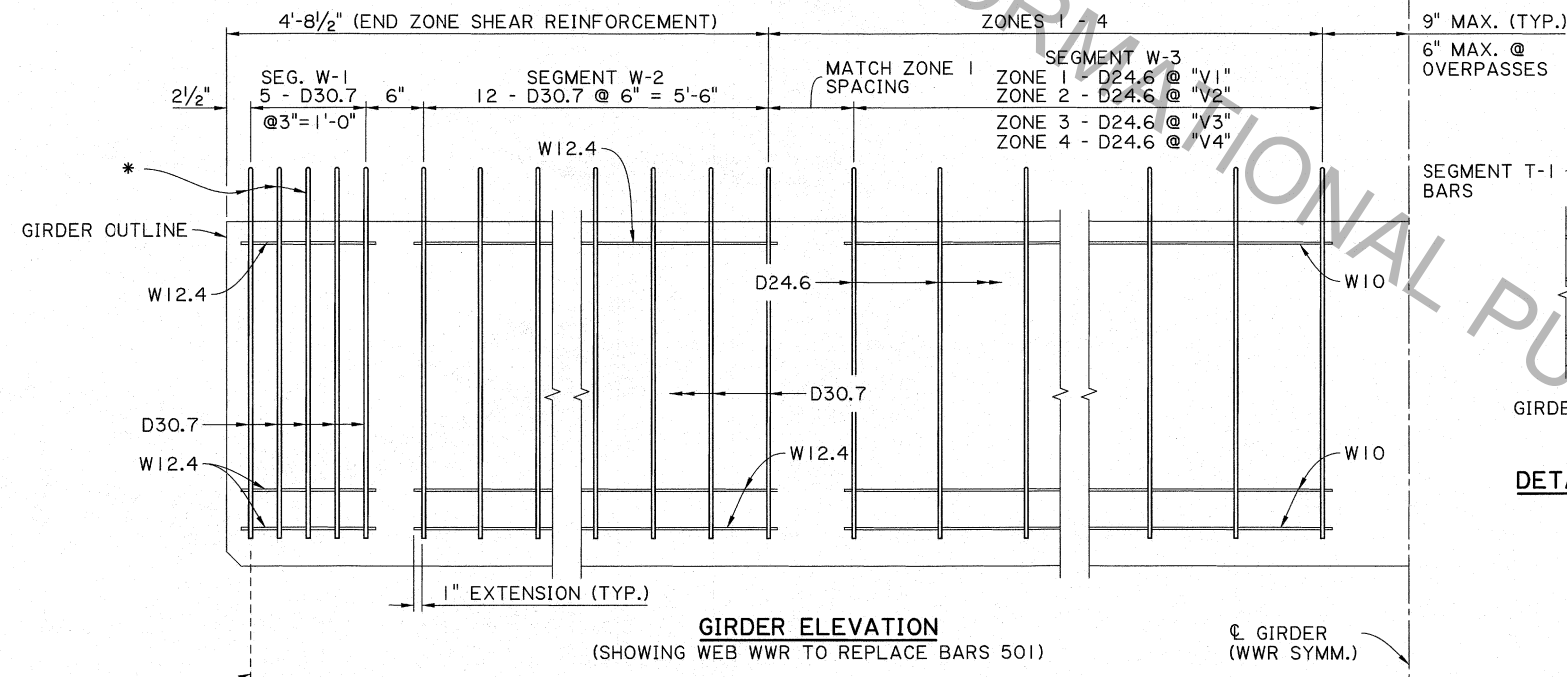
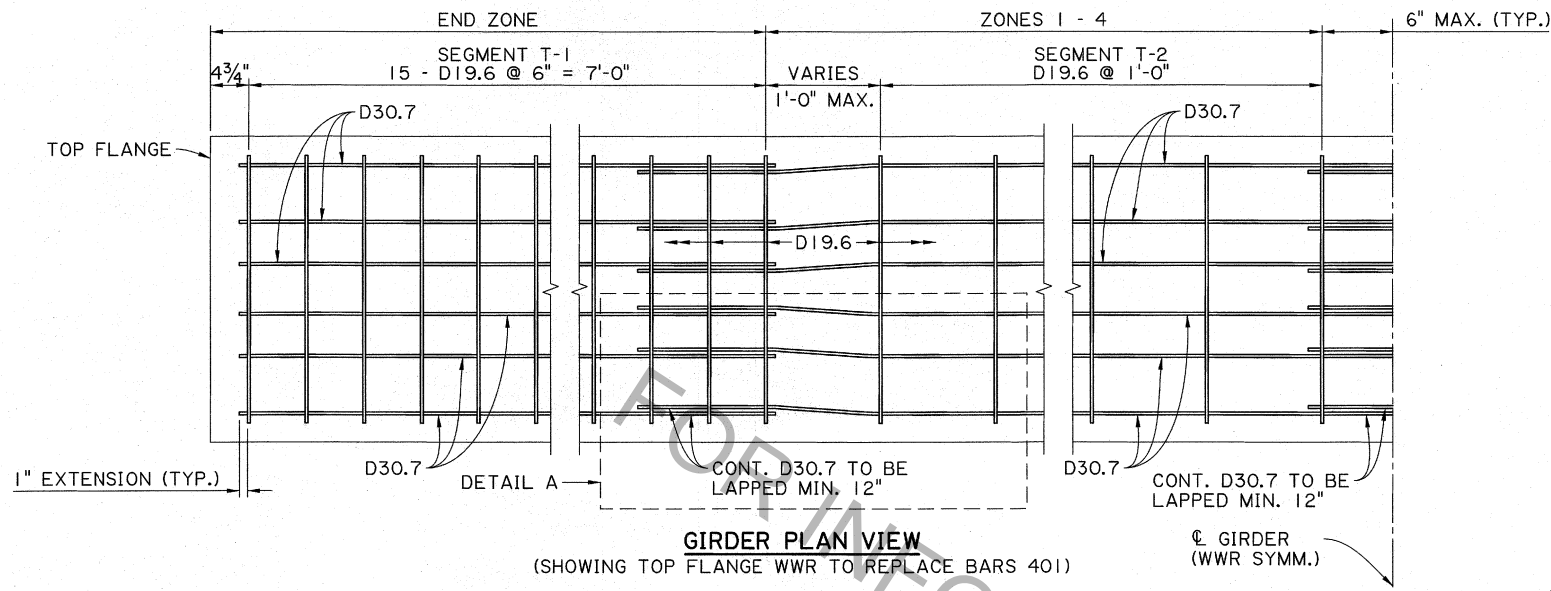
LIST OF WELDED WIRE REINFORCEMENT

SEG.	SIZE	NO. BARS	UNIT LENGTH	LOCATION
T-1	D19.6	30	3'-8"	TRANSV. TOP FLANGE REINF.
	D30.7	6	7'-2"	LONG. TOP FLANGE REINF.
T-2	D19.6	VARIABLE	3'-8"	TRANSV. TOP FLANGE REINF.
	D30.7	6	VARIABLE	LONG. TOP FLANGE REINF.
W-1	D30.7	10	9'-8"	STIRRUP
W-2	D30.7	24	9'-8"	STIRRUP
W-3	D24.6	VARIABLE	9'-8"	STIRRUP
B-1	D11	60	4'-0"	CONFINEMENT REINF.
B-2	D11	VARIABLE	4'-0"	CONFINEMENT REINF.

DESIGNED	Z. LIANG	PARISH	
CHECKED	B. KEVER	CONTROL SECTION	
REVIEWED	Z. LIANG	STATE	
DATE	7/19/18	PROJECT	



- NOTES:**
1. THE REQUIRED AREAS OF WEB WWR IN ZONES 1-4 TO REPLACE BARS 501 HAVE BEEN REDUCED IN PROPORTION TO THE INCREASE IN WWR YIELD STRENGTH OF 75 KSI. ALL OTHER WWR SIZES ARE EQUIVALENT TO CONVENTIONAL REINFORCEMENT SIZES. WWR SIZES SHOWN ARE MINIMUM REQUIREMENTS. AT CONTRACTOR'S OPTION, BAR SIZES LARGER THAN THESE MINIMUM SIZES MAY BE PROVIDED.
  2. SEGMENTS MAY BE FABRICATED IN MULTIPLE LENGTH SECTIONS. THE CONTRACTOR SHALL ALIGN SEGMENTS SO THAT THE WIRE SPACING REMAINS CONSISTENT.
  3. SUPPLEMENTAL TRANSVERSE #4 BARS ARE PERMITTED TO SUPPORT SEGMENTS W-1, W-2, AND W-3 UNDER THE CROSS WIRES ON THE BOTTOM ROW OF STRANDS.
  - \* 4. AT GIRDER ENDS WHERE AN EXPANSION JOINT ASSEMBLY IS REQUIRED, THE FIRST THREE STIRRUPS IN SEGMENT W-1 SHALL BE FABRICATED TO 4'-1 1/2" IN HEIGHT. SEE LG COMMON DETAILS (SHT. 11 OF 11) FOR EXPANSION JOINT ANCHOR BOLT DETAIL.



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STATE OF LOUISIANA

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CIVIL ENGINEERING

7/19/18

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DOTD BRIDGE DESIGN

LG-54 - REINFORCEMENT WELDED WIRE REINFORCEMENT

BD.2.2.4.5.02

REVISION OR CHANGE ORDER DESCRIPTION

BY

DATE

NO.

SHEET NUMBER --