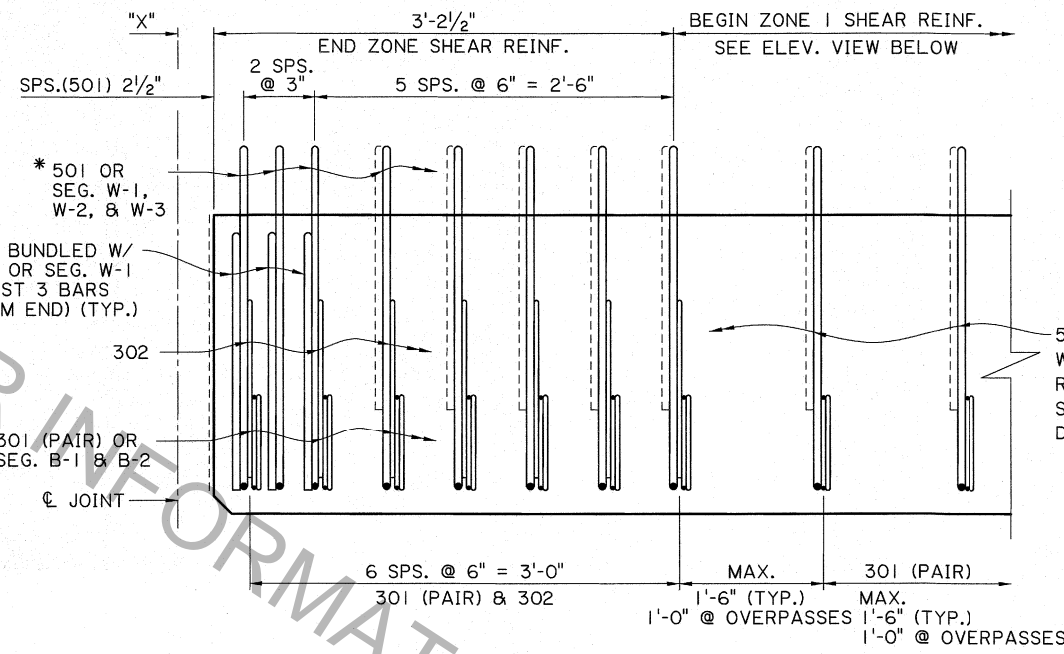
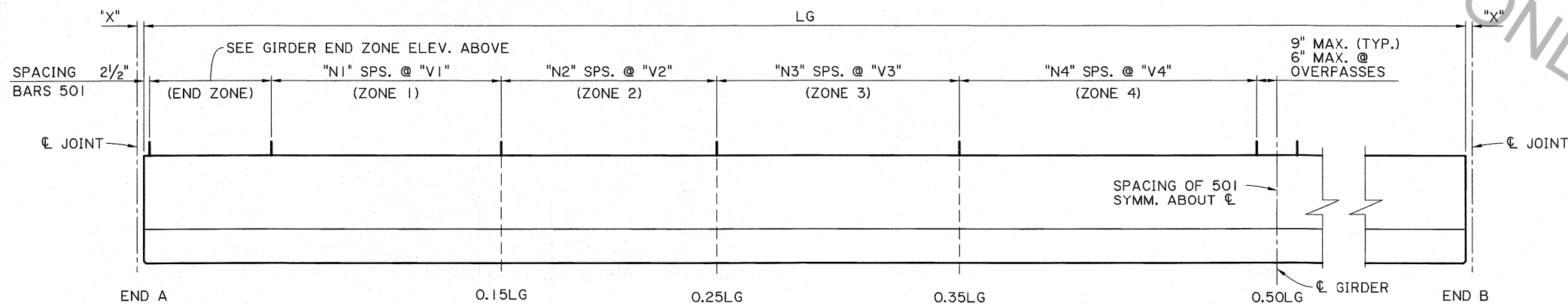


GIRDER END SECTION
(SHOWN WITH CONVENTIONAL REINF.)



ELEVATION OF GIRDER END ZONE
(BOTTOM FLANGE LINE NOT SHOWN FOR CLARITY)

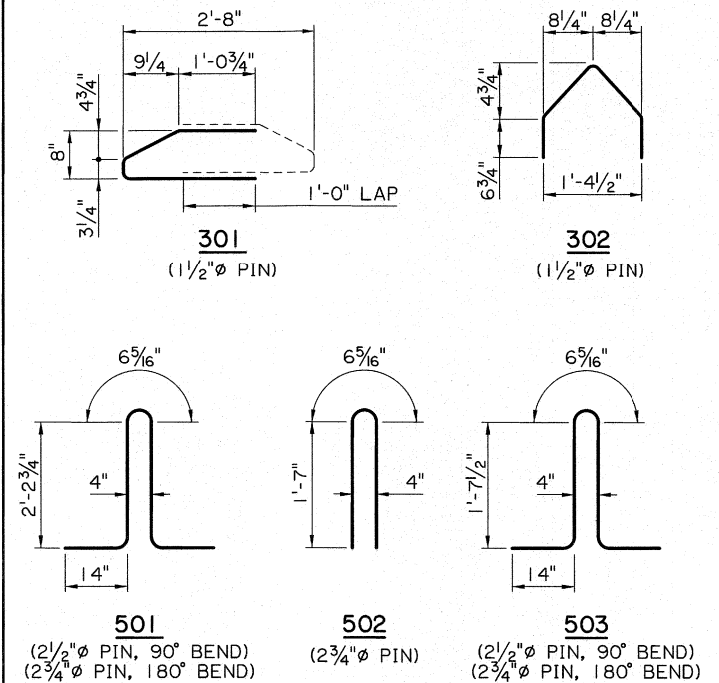


GIRDER ELEVATION
(NOT TO SCALE)

LIST OF CONVENTIONAL REINFORCEMENT

| BAR | NO. | UNIT LENGTH | LOCATION |
|-----|--------|-------------|-------------------------|
| 501 | VARIES | 7'-2" | STIRRUP |
| 502 | VARIES | 3'-9" | STIRRUP (BUNDLE W/ 501) |
| 503 | VARIES | 6'-1" | STIRRUP (ALT. FOR 501) |
| 301 | VARIES | 4'-0" | CONFINEMENT REINF. |
| 302 | 14 | 3'-2" | CONFINEMENT REINF. |

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

REVISION OR CHANGE ORDER DESCRIPTION

DATE

NO.

BY

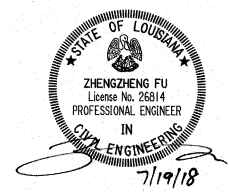
PARISH CONTROL SECTION STATE PROJECT

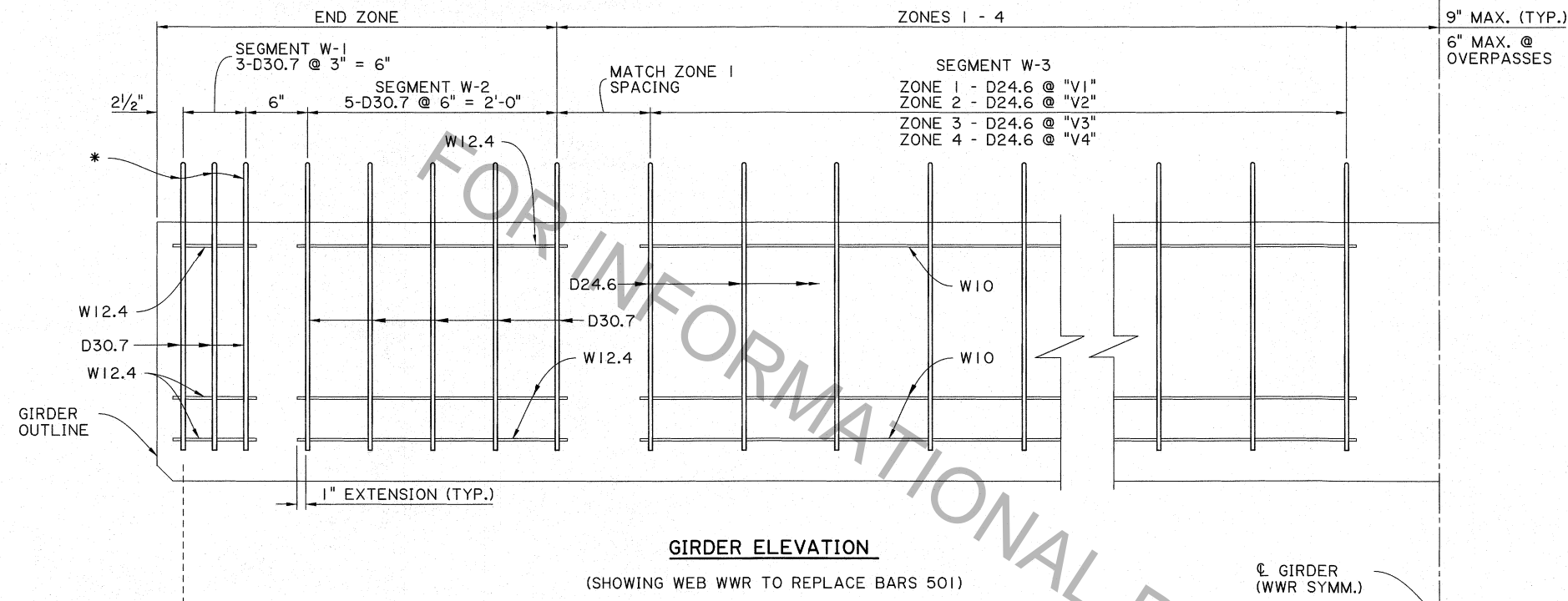
REVIEWED Z.Z. FU
SERIES # 1 OF 2

BD.2.2.4.2.01

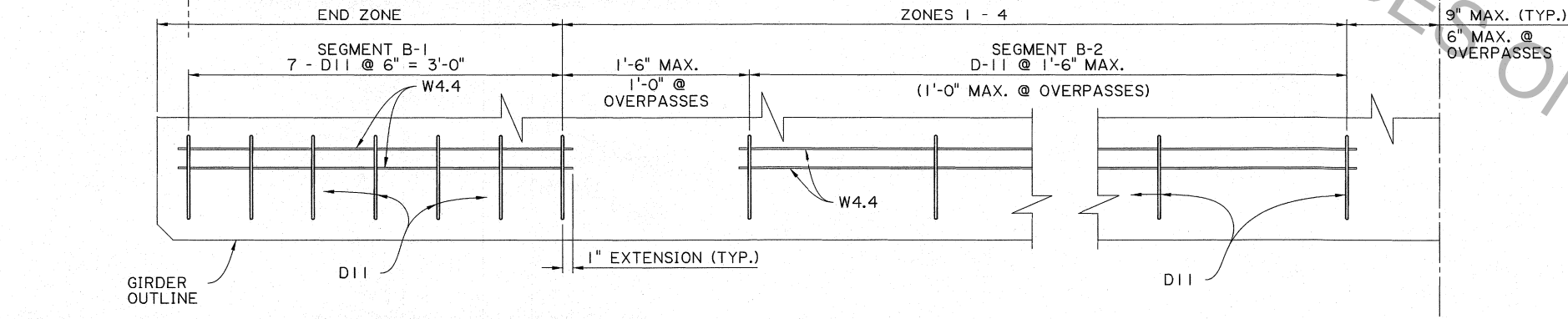
LG-25 - REINFORCEMENT
CONVENTIONAL REINFORCEMENT

DOTD BRIDGE DESIGN



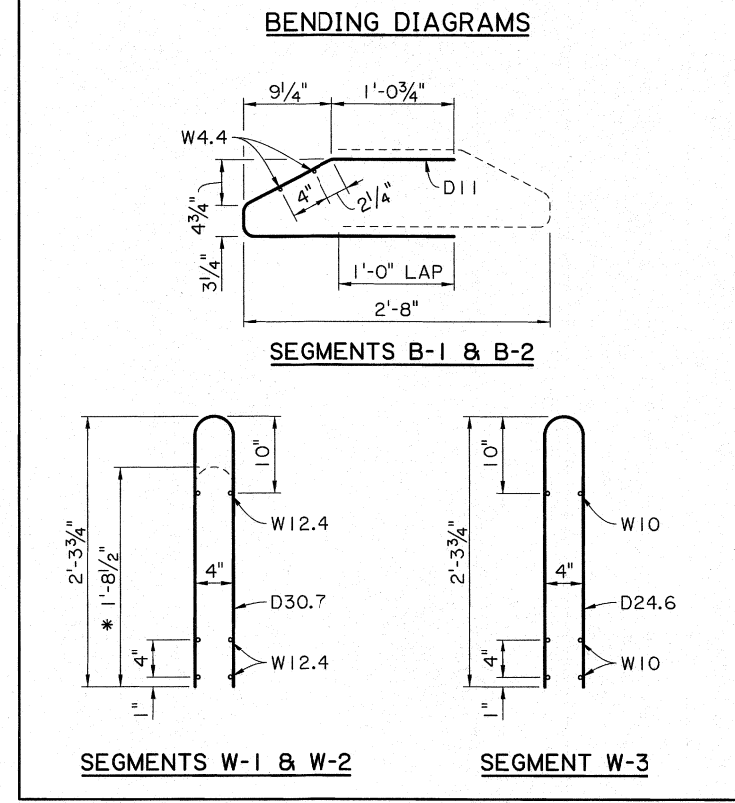


GIRDER ELEVATION
(SHOWING WEB WWR TO REPLACE BARS 501)



PARTIAL GIRDER ELEVATION
(SHOWING BOTTOM FLANGE WWR TO REPLACE BARS 301)

| LIST OF WELDED WIRE REINFORCEMENT | | | | |
|-----------------------------------|-------|----------|-------------|--------------------|
| SEG. | SIZE | NO. BARS | UNIT LENGTH | LOCATION |
| W-1 | D30.7 | 6 | 4'-10" | STIRRUP |
| W-2 | D30.7 | 10 | 4'-10" | STIRRUP |
| W-3 | D24.6 | VARIES | 4'-10" | STIRRUP |
| B-1 | D11 | 28 | 4'-0" | CONFINEMENT REINF. |
| B-2 | D11 | VARIES | 4'-0" | CONFINEMENT REINF. |



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, SEGMENT W-1 SHALL BE FABRICATED TO 1'-8 1/2" IN HEIGHT. SEE LG COMMON DETAILS (SHT. 11 OF 11) FOR EXPANSION JOINT ANCHOR BOLT DETAIL.



| | |
|--------------------------------------|----------|
| SHEET NUMBER | -- |
| DESIGNED | Z. LIANG |
| CHECKED | B. KEVER |
| DATE | |
| REVISION OR CHANGE ORDER DESCRIPTION | |
| NO. | |
| DATE | |
| BY | |
| PROJECT | STATE |
| SECTION | CONTROL |
| PARISH | |
| SERIES # | 2 OF 2 |
| REVIEWED | Z.Z. FU |
| CHECKED | Z. LIANG |
| DETAILS | B. KEVER |
| CHECKED | B. KEVER |
| DESIGNED | Z. LIANG |

LG-25 - REINFORCEMENT
WELDED WIRE REINFORCEMENT
LG-25

